

GRADING and WEIGHTING PROCESS

SECTION I - Current and Future Mission Requirements

The Section I evaluation consisted either of a weighted combination of 2 of the 7 Level 2 grades within Section I or a direct transfer of 1 or 2 of the Level 2 grades to the highest level (Level 1). For some subcategories, 2 Section I grades are displayed as a dual Section I grade when the tiering process is accomplished

Criterion	Title	Level 1	Level 2
I	Mission Effectiveness	Direct Display	
I.1	Flying Operations		Category Dependent
I.2	Missile Operations		Direct Display
I.3	Space Operations		Direct Display
I.4	Undergraduate Flying Training		Direct Display
I.5	Laboratory Evaluation		Direct Display
I.6	Depot Evaluation		Weighted
I.7	Test Center Evaluation		Weighted

- Direct Display - Grades(s) displayed during the tiering process
- Weighted - Two Level 2 grades are combined to form a directly displayed Level 1 grade
- Category Dependent - Varies according to the category and subcategory, i.e.
- Small Aircraft - I.1 displayed as a single element Section I grade
 - Large Aircraft - I.1 and I.2 displayed as a dual element Section I grade
 - Test Centers - I.1 and I.7 combined into a single element Section I grade
 - UPT - I.1 is not used, I.4 is displayed as a single element Section I grade

Subelements I.2, I.4, I.5, I.6, and I.7 are direct input grades and have no lower levels in the Air Force evaluation process. I.2 is a weighted combination of classified information while the remaining subelements are derived from the joint cross service process. I.4, I.5, I.6, and I.7 have lower level details included in the appropriate appendix to describe how the Air Force replicated the Joint Cross Service Group process.

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SECTION I Subelement 1 - Flying Mission

The Section I subelement 1 evaluation consisted of 4 components.

Criterion	Title	Level 2	Level 3	Level 4
I.1	Flying Operations	Category Dependent		
I.1.A	Operations Evaluation		Category Dependent	
I.1.A.1	Fighter - Operational Effectiveness			Category Dependent
I.1.A.2	Bomber - Operational Effectiveness			Category Dependent
I.1.A.3	Tanker - Operational Effectiveness			Category Dependent
I.1.A.4	Airlift - Operational Effectiveness			Category Dependent
I.1.B	Training Airspace		Category Dependent	
I.1.B.1	Existing Training Airspace			67
I.1.B.2	Future Training Availability			33
I.1.C	Airfield Evaluation		Category Dependent	
I.1.C.1	Runway/Taxiway for Fighter mission			25
I.1.C.2	Runway/Taxiway for Bomber mission			25
I.1.C.3	Runway/Taxiway for Tanker mission			25
I.1.C.4	Runway/Taxiway for Airlift mission			25
I.1.D	ARC Evaluation		Category Dependent	
I.1.D.1	Base Operating Support Integration			20
I.1.D.2	ARC Operations			80

Category Dependent - Varies according to the category and subcategory, i.e.

Small Aircraft I.1 displayed as a single element Section I grade

I.1.A/I.1.B/I.1.C weighted at 70/20/10 respectively (I.1.D was not used)

I.1.A.1 was the sole element of I.1.A (I.1.A.2, I.1.A.3, and I.1.A.4 were not used)

Values for each Category Dependent weight are in the appendix for that category and subcategory.

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SECTION I Subelement 1.A.1 - Flying Mission / Operations Evaluation / Fighter Operations Effectiveness

Criterion	Title	Level 4	Level 5	Level 6
I.1.A.1	Fighter - Operational Effectiveness	Category Dependent		
I.1.A.1.a	Fighter - Geographic Location		50	
I.1.A.1.a.1	Alternate Airfield			10
I.1.A.1.a.2	Divert Airfield			15
I.1.A.1.a.3	Ceiling and Visibility			30
I.1.A.1.a.4	Freezing Precipitation			10
I.1.A.1.a.5	Crosswind Component			10
I.1.A.1.a.6	Air Traffic Control Delays			10
I.1.A.1.a.7	Number of Runways			15
I.1.A.1.b	Fighter - Training Areas		40	
I.1.A.1.b.1	Supersonic Air Combat MOAs			16
I.1.A.1.b.2	Other Air Combat MOAs			7.5
I.1.A.1.b.3	Low Altitude MOAs			15
I.1.A.1.b.4	Scorable Range Complexes			16
I.1.A.1.b.5	Electronic Combat Ranges			7.5
I.1.A.1.b.6	Ground Forces/Tactical Aircraft Employment			7.5
I.1.A.1.b.7	Air Combat Maneuvering Instrumentation Ranges			15
I.1.A.1.b.8	Full Scale Weapons Drop Ranges			7.5
I.1.A.1.b.9	Visual Routes/Instrument Routes (VR/IR)			8
I.1.A.1.c	Airspace/Training Area Growth Potential		5	
I.1.A.1.d	Composite/Integrated Force Training		5	

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SECTION I Subelement 1.A.2 - Flying Mission / Operations Evaluation / Bomber Operations Effectiveness

Criterion	Title	Level 4	Level 5	Level 6
I.1.A.2	Bomber - Operational Effectiveness	Category Dependent		
I.1.A.2.a	Bomber - Geographic Location		60	
I.1.A.2.a.1	Alternate Base			10
I.1.A.2.a.2	Ceiling and Visibility			25
I.1.A.2.a.3	Freezing Precipitation			15
I.1.A.2.a.4	Crosswind Component			15
I.1.A.2.a.5	Air Traffic Control Delays			10
I.1.A.2.a.6	Number of Runways			25
I.1.A.2.b	Bomber - Training Areas		30	
I.1.A.2.b.1	Low Altitude MOAs			7
I.1.A.2.b.2	Scorable Range Distance			21
I.1.A.2.b.3	Tactical Training Range Complex (TTRC) Distance			13
I.1.A.2.b.4	Electronic Combat Range Distance			13
I.1.A.2.b.5	Full Scale Weapons Drop Range Availability			13
I.1.A.2.b.6	Visual Routes/Instrument Routes (VR/IR)			33
I.1.A.2.c	Airspace/Training Area Growth Potential		10	

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SECTION I Subelement 1.A.3 - Flying Mission / Operations Evaluation / Tanker Operations Effectiveness

Criterion	Title	Level 4	Level 5	Level 6
I.1.A.3	Tanker - Operational Effectiveness	Category Dependent		
I.1.A.3.a	Alternate Airfield		7	
I.1.A.3.b	Ceiling and Visibility		13	
I.1.A.3.c	Freezing Precipitation		7	
I.1.A.3.d	Crosswind Component		7	
I.1.A.3.e	Air Traffic Control Delays		13	
I.1.A.3.f	Tanker Saturation		27	
I.1.A.3.g	Refueling Events within 700 NM		13	
I.1.A.3.h	Concentrated Receiver Area Distance		13	

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SECTION I Subelement 1.A.4 - Flying Mission / Operations Evaluation / Airlift Operations Effectiveness

Criterion	Title	Level 4	Level 5	Level 6
I.1.A.4	Airlift - Operational Effectiveness	Category Dependent		
I.1.A.4.a	Airlift - Geographic Location		67	
I.1.A.4.a.1	Alternate Airfield			7
I.1.A.4.a.2	Ceiling and Visibility			13
I.1.A.4.a.3	Freezing Precipitation			7
I.1.A.4.a.4	Crosswind Component			7
I.1.A.4.a.5	Air Traffic Control Delays			13
I.1.A.4.a.6	Mobility/deployability			53
I.1.A.4.b	Airlift - Training Areas		33	
I.1.A.4.b.1	Drop Zones (DZs) Formation/day/personnel			7.375
I.1.A.4.b.2	Instrument Routes for DZs (personnel)			7.375
I.1.A.4.b.3	Slow Routes for DZs (personnel)			7.375
I.1.A.4.b.4	Landing Zones - Closest			7.375
I.1.A.4.b.5	DZs - Formation/day/heavy equipment			14
I.1.A.4.b.6	Instrument Routes for DZs (equipment)			7.375
I.1.A.4.b.7	Slow Routes for DZs (equipment)			7.375
I.1.A.4.b.8	Airdrop Employment			27
I.1.A.4.b.9	Full-Scale Airdrop Range			7.375
I.1.A.4.b.10	Air Refueling Routes			7.375

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SECTION I Subelement 1.B - Flying Mission / Training Airspace

Criterion	Title	Level 3	Level 4	Level 5
I.1.B	Training Airspace	Category Dependent		
I.1.B.1	Existing Training Airspace		67	
I.1.B.1.a	Military Operating Areas/Bombing Ranges			33
I.1.B.1.b	Military Training Routes			67
I.1.B.2	Future Training Availability		33	
I.1.B.2.a	Military Operating Areas/Bombing Ranges			33
I.1.B.2.b	Military Training Routes			67

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SECTION I Subelement 1.D - Flying Mission / ARC Evaluation

Criterion	Title	Level 3	Level 4	Level 5	Level 6
I.1.D	ARC Evaluation	Cat Dependent			
I.1.D.1	Base Operating Support Integration		20		
I.1.D.1.a	Petroleum, Oils, Lubricants			20	
I.1.D.1.b	Security			20	
I.1.D.1.c	Base Supply			20	
I.1.D.1.d	Tower/Air Traffic Control			20	
I.1.D.1.e	Base Civil Engineering			20	
I.1.D.2	ARC Operations		80		
I.1.D.2.a	ARC Fighter Operations			Cat Dependent	
I.1.D.2.a.1	Supersonic Air Combat MOAs				15
I.1.D.2.a.2	Other Air Combat MOAs				15
I.1.D.2.a.3	Low altitude MOAs				15
I.1.D.2.a.4	Scorable Range complexes				15
I.1.D.2.a.5	Electronic Combat Range within 250 NM				8
I.1.D.2.a.6	Ground Forces/Tactical Aircraft Employment				8
I.1.D.2.a.7	Air Combat Maneuvering Instrumentation Ranges				8
I.1.D.2.a.8	Full Scale Weapons Drop Ranges				8
I.1.D.2.a.9	Visual Routes/Instrument Routes (VR/IR)				8
I.1.D.2.b	ARC Tanker Operations			Cat Dependent	
I.1.D.2.b.1	Refueling Events within 700 NM				33
I.1.D.2.b.2	Tanker Saturation				33
I.1.D.2.b.3	Distance to Concentrated Receiver Area				33
I.1.D.2.c	ARC Airlift Operations			Cat Dependent	
I.1.D.2.c.1	DZs - Formation/day/heavy equipment				25
I.1.D.2.c.2	Airdrop Employment Requirements				25
I.1.D.2.c.3	Full Scale Airdrop Availability				25
I.1.D.2.c.4	Number of Visual/Instrument Routes				25

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SECTION I Subelement 3 - Space Operations

Criterion	Title	Level 2	Level 3	Level 4	Level 5
I.3	Space Operations	Direct Display			
I.3.A	Mission Capacity		50		
I.3.A.1	Future Mission Projection			33	
I.3.A.2	Capable of Core			33	
I.3.A.3	Future Mission Compatability			33	
I.3.B	Mission Support		30		
I.3.B.1	Data Transmission Bandwidth			50	
I.3.B.1.a	Satellite Terminals				50
I.3.B.1.b	Base Communications Infrastructure				50
I.3.B.2	Processing Capacity - Control Points			25	
I.3.B.2	Processing Capacity - CPU Equivalents			25	
I.3.C	Risk		20		
I.3.C.1	Security Waivers			33	
I.3.C.2	Operational Hours Lost			33	
I.3.C.3	Sustain Core Operations			33	

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SECTION I Subelement 5 - Labs and Product Centers

Criterion	Title	Level 2	Level 3	Level 4
I.5	Laboratory Evaluation	Direct Display		
I.5.A	Priority		25	
I.5.A.1	Budgeted			40
I.5.A.2	Pre-eminence			30
I.5.A.3	In-House Capability			30
I.5.B	Workload		25	
I.5.B.1	Actual Workload			30
I.5.B.2	Number of Programs			30
I.5.B.3	Average Direct Funding			40
I.5.C	Personnel		25	
I.5.C.1	Total Personnel			30
I.5.C.2	Education Level			20
I.5.C.3	Experience Level			20
I.5.C.4	Patents Awarded			15
I.5.C.5	Papers Published			15
I.5.D	Facilities and Equipment		10	
I.5.D.1	Major Facilities			70
I.5.D.2	Land Use			30
I.5.E	Location		15	
I.5.E.1	Interconnectivity			25
I.5.E.2	Geographic/Climatological Features			25
I.5.E.3	Special Support Infrastructure			25
I.5.E.4	Proximity to Mission Related Organizations			25

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SECTION I Subelement 6 - Depots

Criterion	Title	Level 2	Level 3	Level 4
I.6	Depot Evaluation	Weighted		
I.6.A	Commodity Analysis		80	
I.6.A.1	Transport, Tanker, Bomber			3
I.6.A.2	Engines			3
I.6.A.3	All software			3
I.6.A.4	Fighter			3
I.6.A.5	Avionics			3
I.6.A.6	Ground CE			3
I.6.A.7	Aircraft structures			2
I.6.A.8	Aircraft components (other)			2
I.6.A.9	Instruments			2
I.6.A.10	All missiles			2
I.6.A.11	Hydraulic/Pneumatics			2
I.6.A.12	Landing gear			2
I.6.A.13	TMDE			2
I.6.A.14	Command and Control aircraft			2
I.6.A.15	General purpose (other)			1
I.6.A.16	Munitions (aviation)			1
I.6.A.17	Propellers			1
I.6.A.18	APUs			1
I.6.A.19	Ground generators			1
I.6.B	Costs Analysis		20	
I.6.B.1	Annual Operating Costs			50
I.6.B.2	Labor Rates			50

I.6.A.1 thru I.6.A.19 are sums of individual weighted scores. I.A.6 is calculated initially as a weighted sum, and then translated to a color grade using a mean and standard deviation scheme. I.6.B.1 and I.6.B.2 are assigned color grades using a mean and standard deviation scheme. Once they are assigned color grades, the standard Air Force method of computing weighted averages is used.

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SECTION I Subelement 7 - Test and Evaluation Centers

Criterion	Title	Level 2	Level 3
I.7	Test Center Evaluation	Weighted	
I.7.A	Armament and Weapons		70
I.7.B	Electronic Combat		15
I.7.C	Air Vehicles		15

Actual weights in this category are dependant on the mission of the facility, with the most weight being assigned to component reflecting the primary mission. All evaluated facilities in the Test and Evaluation subcategory have armament and weapons as their primary mission.

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SECTION I Subelement 7.A - Test and Evaluation Centers / Armament and Weapons

Criterion	Title	Level 3	Level 4	Level 5
I.7.A	Armament and Weapons	70		
I.7.A.1	Physical Value		65	
I.7.A.1.a	Critical Air & Sea Space			70
I.7.A.1.b	Topographic			10
I.7.A.1.c	Climatic			10
I.7.A.1.d	Encroachment			5
I.7.A.1.e	Environment			5
I.7.A.2	Technical Value		35	
I.7.A.2.a	Digital Models and Simulations			5
I.7.A.2.b	Measurement Facilities			15
I.7.A.2.c	Integration Labs			5
I.7.A.2.d	Hardware-In-The-Loop			15
I.7.A.2.e	Installed Systems Test Facilities			20
I.7.A.2.f	Open Air Ranges			40

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SECTION I Subelement 7.B - Test and Evaluation Centers / Electronic Combat

Criterion	Title	Level 3	Level 4	Level 5
I.7.B	Electronic Combat	15		
I.7.B.1	Physical Value		65	
I.7.B.1.a	Critical Air & Sea Space			70
I.7.B.1.b	Topographic			10
I.7.B.1.c	Climatic			10
I.7.B.1.d	Encroachment			5
I.7.B.1.e	Environment			5
I.7.B.2	Technical Value		35	
I.7.B.2.a	Digital Models and Simulations			5
I.7.B.2.b	Measurement Facilities			15
I.7.B.2.c	Integration Labs			5
I.7.B.2.d	Hardware-In-The-Loop			15
I.7.B.2.e	Installed Systems Test Facilities			20
I.7.B.2.f	Open Air Ranges			40

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SECTION I Subelement 7.C - Test and Evaluation Centers / Air Vehicles

Criterion	Title	Level 3	Level 4	Level 5
I.7.C	Air Vehicles	15		
I.7.C.1	Physical Value		65	
I.7.C.1.a	Critical Air & Sea Space			70
I.7.C.1.b	Topographic			10
I.7.C.1.c	Climatic			10
I.7.C.1.d	Encroachment			5
I.7.C.1.e	Environment			5
I.7.C.2	Technical Value		35	
I.7.C.2.a	Digital Models and Simulations			5
I.7.C.2.b	Measurement Facilities			15
I.7.C.2.c	Integration Labs			5
I.7.C.2.d	Hardware-In-The-Loop			15
I.7.C.2.e	Installed Systems Test Facilities			20
I.7.C.2.f	Open Air Ranges			40

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SECTION II - Availability and Conditions of Land, Facilities, and Associated Airspace

The Section II evaluation consisted of an overall evaluation up to 4 of the Level 2 grades.

Criterion	Title	Level 1	Level 2	Level 3
II	Availability and Condition of Land, Facilities, and Associated Airspace	Direct Display		
II.1	Facilities Base		Category Dependent	
II.1.A	Facilities Capacity: Base			45
II.1.B	Facilities Condition: Building aggregate			15
II.1.C	Facilities Condition: Infrastructure			25
II.1.D	Unique Facilities			5
II.1.E	Utility Capacity			10
II.2	Facilities Housing		Category Dependent	
II.2.A	Facilities Capacity: Housing			40
II.2.B	Facilities Condition: Housing			60
II.3	Encroachment (Airfield)		Category Dependent	
II.4	Air Quality		Category Dependent	
II.4.A	Attainment Status			10
II.4.B	Restrictions			40
II.4.C	Future Growth			50
II.5	Encroachment (Electronic)		Category Dependent	
II.5.A	Overhead Obstructions			33
II.5.B	Ground Level Radiation			33
II.5.C	Electronic Devices			33
II.6	ARC Billeting		Category Dependent	
II.6.A	Billeting			60
II.6.B	Commercial Billeting			40

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SECTION II Subelement 3 - Encroachment (Airfield)

Criterion	Title	Level 2	Level 3	Level 4
II.3	Encroachment (Airfield)	Category Dependent		
II.3.A	Existing Associated (Special Use) Airspace		Category Dependent	
II.3.A.1	Military Operating Areas/Restricted Airspace			40
II.3.A.2	Bomb Ranges/Drop Zones			50
II.3.A.3	Low Levels			10
II.3.B	Future Associated (Special Use) Airspace		Category Dependent	
II.3.B.1	Military Operating Areas/Restricted Airspace			40
II.3.B.2	Bomb Ranges/Drop Zones			50
II.3.B.3	Low Levels			10
II.3.C	Existing Local/Regional Airspace Encroachment		Category Dependent	
II.3.D	Future Local/Regional Airspace Encroachment		Category Dependent	
II.3.E	Existing Local Community Encroachment		Category Dependent	
II.3.E.1	Clear Zone Compatibility (worst case)			5
II.3.E.2	Accident Potential Zone I Compatibility Aggregate			30
II.3.E.3	Accident Potential Zone II Compatibility Aggregate			10
II.3.E.4	Noise Zone (65-70 db) Compatibility Aggregate			5
II.3.E.5	Noise Zone (70-75 db) Compatibility Aggregate			10
II.3.E.6	Noise Zone (75-80 db) Compatibility Aggregate			15
II.3.E.7	Noise Zone (over 80 db) Compatibility Aggregate			25
II.3.F	Future Local Community Encroachment		Category Dependent	
II.3.F.1	Clear Zone Compatibility (worst case)			5
II.3.F.2	Accident Potential Zone I Compatibility Aggregate			30
II.3.F.3	Accident Potential Zone II Compatibility Aggregate			10
II.3.F.4	Noise Zone (65-70 db) Compatibility Aggregate			5
II.3.F.5	Noise Zone (70-75 db) Compatibility Aggregate			10
II.3.F.6	Noise Zone (75-80 db) Compatibility Aggregate			15
II.3.F.7	Noise Zone (over 80 db) Compatibility Aggregate			25

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SECTION III - Ability to accommodate Contingency, Mobilization, and Future Total Force Requirements

The Section III evaluation is standardized over all subcategories.

Criterion	Title	Level 1	Level 2	Level 3
III	Contingency, Mobility, and Deployability	Direct Display		
III.1	Maximum on Ground (MOG)		20	
III.2	Widebody Aircraft Operations		20	
III.3	Fuel Hydrant System		15	
III.4	Fuel Storage by Pipeline		10	
III.5	CAT 1.1 Munitions Storage Capacity		15	
III.6	Hot Cargo Pad		5	
III.7	Geographic Location		15	
III.7.A	Ground Force Installation within 150 NM			33
III.7.B	Rail Access within 150 NM			33
III.7.C	Port Facility within 150 NM			33

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SECTION IV- Costs and Manpower Implications

The Section IV evaluation is standardized over all subcategories. It consists of 2 (separated by a /) numbers calculated by the COBRA DoD standard costing model.:

One time closure costs (in millions of dollars) - programming impact, includes environmental compliance costs and excludes one-time environmental restoration costs.

20 year net present value (in millions of dollars) - Savings (costs are negative) derived by discounting costs and savings over a 20 year period.

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SECTION V- Return on Investment

The Section V evaluation is standardized over all subcategories. It consists of a single number calculated by the COBRA DoD standard costing model, and represents the number of years from closure to payback. Payback computed from net present value analysis using OMB Circular A-94.

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SECTION VI- Economic Impact on Communities

The Section VI evaluation is standardized over all subcategories. It consists of the projected number of jobs lost (direct and indirect) if the base is closed. The projection is expressed as an absolute number and as a percentage of the total employment in the community (in parentheses). An asterisk following the numbers indicates the figures also include job losses or gains from BRAC actions during previous rounds and by other services during this round.

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SECTION VII - Community Infrastructure Support to Forces, Mission, and Personnel

The Section VII evaluation consisted of an overall evaluation up to 9 of the Level 2 grades. All active duty installations use the first 9 subelements while reserve component installations use the other 4.

Criterion	Title	Level 1	Level 2	Level 3
VII	Community	Direct Display		
VII.1	Off-Base Housing		Category Dependent	
VII.1.A	Affordable			50
VII.1.B	Suitable			50
VII.2	Transportation		Category Dependent	
VII.2.A	Public Transportation			20
VII.2.B	Municipal Airport			20
VII.2.C	Air Carrier			20
VII.2.D	Time: Work Commute			40
VII.3	Off-Base Recreation		Category Dependent	
VII.4	Shopping Mall		Category Dependent	
VII.5	Metro Center		Category Dependent	
VII.6	Local Area Crime Rate		Category Dependent	
VII.6.A	Violent Crime Rate			50
VII.6.B	Property Crime Rate			50
VII.7	Education		Category Dependent	
VII.8	Employment Opportunities		Category Dependent	
VII.9	Local Medical Care		Category Dependent	
VII.9.A	Physicians			50
VII.9.B	Hospital Beds			50
VII.10	Recruitable Age (ARC Units)		Category Dependent	
VII.11	Other Local Reserve Units (ARC Units)		Category Dependent	
VII.12	Population per Reserve Unit (ARC Units)		Category Dependent	
VII.13	Population (ARC Units)		Category Dependent	

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SECTION VII Subelement 3 - Off-base Recreation

Criterion	Title	Level 2	Level 3
VII.3	Off-Base Recreation	Category Dependent	
VII.3.A	Swimming Pool		7
VII.3.B	Movie Theater		7
VII.3.C	Public Golf Course		7
VII.3.D	Bowling Lane		7
VII.3.E	Boating		7
VII.3.F	Fishing		7
VII.3.G	Zoo		7
VII.3.H	Aquarium		7
VII.3.I	Theme Park		7
VII.3.J	Professional Sports		7
VII.3.K	Collegiate Sports		7
VII.3.L	Camping Facilities		7
VII.3.M	Beaches		7
VII.3.N	Winter Sports		7

GRADING and WEIGHTING PROCESS

SECTION VII Subelement 7 - Education

Criterion	Title	Level 2	Level 3	Level 4
VII.7	Education	Category Dependent		
VII.7.A	Pupil/Teacher Ratio		12.5	
VII.7.B	Four Year Programs		12.5	
VII.7.C	Honors Programs		12.5	
VII.7.D	Attend College		12.5	
VII.7.E	Off-Base Education		50	
VII.7.E.1	Vocational/Tech Training			25
VII.7.E.2	Undergraduate College			50
VII.7.E.3	Graduate College			25

GRADING and WEIGHTING PROCESS

SECTION VIII - Environmental Impact (Assessment of Existing Conditions)

The Section VIII evaluation is standardized for all categories.

Criterion	Title	Level 1	Level 2	Level 3
VIII	Environmental Impact	Direct Display		
VIII.1	Water		40	
VIII.2	Asbestos		5	
VIII.3	Biological		25	
VIII.3.A	Habitat			10
VIII.3.B	Threatened and Endangered Species			25
VIII.3.C	Wetlands			45
VIII.3.D	Floodplains			20
VIII.4	Cultural		15	
VIII.5	Installation Restoration Program (IRP)		15	

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

OVERVIEW: The Large Aircraft Subcategory consists of bases which support the bomber, tanker, and airlift missions. Bases in the Large Aircraft Subcategory are:

Altus AFB, Oklahoma

Charleston AFB, South Carolina

Ellsworth AFB, South Dakota

Little Rock AFB, Arkansas

McGuire AFB, New Jersey

Scott AFB, Illinois

Barksdale AFB, Louisiana

Dover AFB, Delaware

Fairchild AFB, Washington

Malmstrom AFB, Montana

Minot AFB, North Dakota

Travis AFB, California

Beale AFB, California

Dyess AFB, Texas

Grand Forks AFB, North Dakota

McConnell AFB, Kansas

Offutt AFB, Nebraska

Whiteman AFB, Missouri

ATTRIBUTES: Important attributes of large aircraft bases depend on the type mission of the primary assigned aircraft.

ATTRIBUTE:	BOMBER MISSION	TANKER MISSION	AIRLIFT MISSION
Survivability	✓		
Adequate weapons storage	✓		
Geographically located with adequate tanker support	✓		
Proximity to receiver units		✓	
High capacity refueling systems		✓	✓
Minimum traffic congestion/ATC delays	✓	✓	
Access to low level routes	✓		
Access to bombing ranges	✓		
Proximity to major airlift customers			✓
Proximity to drop/landing zones			✓
Proximity to east or west coast			✓
Large passenger handling facilities			✓
Runway and flight line facilities which support large aircraft	✓	✓	✓
Low encroachment ground/airspace	✓	✓	✓

Important attributes of missile bases are detailed in Appendix 12 (classified).

SPECIAL ANALYSIS METHOD: The Large Aircraft Subcategory analysis reflected the same method for Criteria II - VIII as the overall Air Force process, a mission dependent Criterion I analysis was developed for this subcategory. Additionally, the two primary elements of Criterion I, Flying Operations and Missile Operations, were not combined into a single Criterion I grade.

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

SUBCATEGORY DEPENDENT WEIGHTS: (See Appendix 2 for a discussion of weighting and the values of weights which are not functions of subcategory or primary mission.)

I Mission Effectiveness				II Facilities Availability and Condition			VII Community	
I.1 Flying Operations	-			II.1 Facilities Base	25%		VII.1 Off-base Housing	14%
I.1.A Operations Evaluation		88%		II.2 Facilities Housing	10%		VII.2 Transportation	7%
I.1.A.1 EXCLUDED			N/A	II.3 Encroachment (Airfield)	25%		VII.3 Off-base Recreation	7%
I.1.A.2 Bomber Operations			*	II.3.A Existing Assoc Airsp		15%	VII.4 Shopping Mall	7%
I.1.A.3 Tanker Operations			*	II.3.B Future Assoc Airsp		15%	VII.5 Metro Center	7%
I.1.A.4 Airlift Operations			*	II.3.C Existing Local Area		5%	VII.6 Local Area Crime Rate	14%
I.1.B EXCLUDED		N/A		II.3.D Future Local Area		5%	VII.7 Education	14%
I.1.C Airfield Evaluation		12%		II.3.E Existing Local Comm		35%	VII.8 Employment Opportunities	14%
I.1.D EXCLUDED		N/A		II.3.F Future Local Comm		25%	VII.9 Local Medical Care	14%
I.2 Missile Operations	-			II.4 Air Quality	40%		VII.10 thru VII.14 EXCLUDED	N/A
I.3 thru I.7 EXCLUDED	N/A			II.5 and II.6 EXCLUDED	N/A			

* Weights are dependent on the primary mission at each base.

Mission	I.1.A.2	I.1.A.3	I.1.A.4	Bases:	
BOMBER	70%	15%	15%	Barksdale AFB, Louisiana	Dyess AFB, Texas
				Ellsworth AFB, South Dakota	Minot AFB, North Dakota
				Whiteman AFB, Missouri	
TANKER	15%	70%	15%	Beale AFB, California	Fairchild AFB, Washington
				Grand Forks AFB, North Dakota	Malmstrom AFB, Montana
				McConnell AFB, Kansas	Offutt AFB, Nebraska
AIRLIFT	15%	15%	70%	Altus AFB, Oklahoma	Charleston AFB, South Carolina
				Dover AFB, Delaware	Little Rock AFB, Arkansas
				McGuire AFB, New Jersey	Scott AFB, Illinois
				Travis AFB, California	

UNCLASSIFIED

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

OVERALL

*Mission (Flying)
Requirements*

*Mission (Missile)
Requirements*

*Facilities and
Infrastructure*

*Contingency
and Mobility*

*Costs and
Manpower
Implications*

*Return on
Investment*

*Economic
Impact*

Community

*Environmental
Impact*

Base Name	I.1	I.2	II	III	IV	V	VI	VII	VIII
Altus AFB	Green	No Grade	Green -	Green -	433/ 18	20	4,827 (35.0%)*	Yellow	Green -
Barksdale AFB	Green -	No Grade	Green -	Green -	221/-378	5	8,906 (5.0%)*	Green -	Yellow
Beale AFB	Green	No Grade	Yellow +	Green -	199/-567	3	4,829 (8.7%)*	Yellow	Yellow +
Charleston AFB	Green -	No Grade	Yellow +	Green -	423/-100	14	33,750 (11.9%)*	Yellow +	Yellow +
Dover AFB	Green	No Grade	Yellow -	Green -	322/-314	8	7,855 (12.6%)*	Green -	Red +
Dyess AFB	Green	No Grade	Green -	Green -	132/-443	3	5,898 (8.2%)*	Green -	Green -
Ellsworth AFB	Yellow +	No Grade	Green	Green -	41/-849	1	5,529 (8.4%)*	Green -	Yellow
Fairchild AFB	Green -	No Grade	Green -	Green -	300/-306	8	8,442 (4.0%)	Yellow +	Yellow +
Grand Forks AFB	Yellow +	Red	Green -	Yellow +	129/-731	2	6,934 (15.4%)	Yellow +	Yellow +
Little Rock AFB	Green -	No Grade	Green -	Green -	328/-347	8	8,241 (2.5%)	Yellow +	Yellow +
Malmstrom AFB	Green -	Green	Green -	Yellow	32/-797	1	6,695 (15.2%)*	Yellow +	Green -
McConnell AFB	Green -	No Grade	Green -	Green -	224/-347	6	6,825 (2.2%)*	Green -	Yellow +
McGuire AFB	Green	No Grade	Yellow	Green -	624/-386	10	37,133 (1.4%)*	Yellow +	Yellow
Minot AFB	Yellow +	Yellow	Green -	Yellow +	59/-801	1	6,541 (18.4%)	Green -	Green -
Offutt AFB	Yellow +	No Grade	Green	Yellow +	515/-151	13	16,495 (3.9%)	Green -	Yellow +
Scott AFB	Yellow	No Grade	Yellow +	Yellow	240/-528	5	15,929 (1.1%)	Yellow +	Yellow +
Travis AFB	Green	No Grade	Yellow	Green -	847/-207	14	32,632 (16.4%)*	Yellow +	Yellow
Whiteman AFB	Green -	No Grade	Green -	Yellow +	326/-383	7	4,440 (10.6%)*	Yellow +	Green -

UNCLASSIFIED

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

I.1 MISSION REQUIREMENTS - FLYING

*Operational
Effectiveness* *Airfield
Capabilities* *Flying
Mission*

Base Name	I.1.A	I.1.C	I.1
Altus AFB	Green	Green -	Green
Barksdale AFB	Green -	Green	Green -
Beale AFB	Green	Green -	Green
Charleston AFB	Green -	Green -	Green -
Dover AFB	Green	Green -	Green
Dyess AFB	Green -	Green	Green -
Ellsworth AFB	Yellow +	Green -	Yellow +
Fairchild AFB	Green -	Green -	Green -
Grand Forks AFB	Yellow +	Green	Yellow +
Little Rock AFB	Green -	Yellow -	Green -
Malmstrom AFB	Green -	Green -	Green -
McConnell AFB	Green -	Green	Green -
McGuire AFB	Green	Green -	Green
Minot AFB	Green -	Green	Green -
Offutt AFB	Yellow +	Green -	Yellow +
Scott AFB	Yellow +	Red	Yellow
Travis AFB	Green	Green -	Green
Whiteman AFB	Green -	Green -	Green -

UNCLASSIFIED

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

I.1.A FLYING MISSION EFFECTIVENESS

Base Name	<i>Bomber Operational Effectiveness</i>	<i>Tanker Operational Effectiveness</i>	<i>Airlift Operational Effectiveness</i>	<i>Effectiveness</i>
	I.1.A.2	I.1.A.3	I.1.A.4	I.1.A
Altus AFB	Green	Green -	Green	Green
Barksdale AFB	Green	Green -	Yellow +	Green -
Beale AFB	Green	Green	Green -	Green
Charleston AFB	Green	Green	Green -	Green -
Dover AFB	Green -	Yellow +	Green	Green
Dyess AFB	Green	Green -	Green	Green
Ellsworth AFB	Green -	Yellow +	Yellow +	Yellow +
Fairchild AFB	Green -	Yellow +	Green -	Green -
Grand Forks AFB	Green -	Yellow +	Yellow	Yellow +
Little Rock AFB	Green -	Green -	Green -	Green -
Malmstrom AFB	Green -	Yellow +	Green -	Green -
McConnell AFB	Green -	Green -	Yellow +	Green -
McGuire AFB	Green -	Yellow +	Green	Green
Minot AFB	Yellow +	Yellow +	Green -	Yellow +
Offutt AFB	Green -	Yellow +	Yellow +	Yellow +
Scott AFB	Green -	Yellow +	Yellow +	Yellow +
Travis AFB	Green	Green	Green	Green
Whiteman AFB	Green -	Green -	Yellow +	Green -

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

I.1.A.2 BOMBER MISSION OPERATIONAL EFFECTIVENESS

Base Name	<i>Geographic Location</i>	<i>Training Areas</i>	<i>Airspace/Training Area Growth</i>	<i>Bomber Effectiveness</i>
	I.1.A.2.a	I.1.A.2.b	I.1.A.2.c	I.1.A.2
Altus AFB	Green	Green	Green	Green
Barksdale AFB	Green	Green	Green	Green
Beale AFB	Green	Green	Green	Green
Charleston AFB	Green	Green	Yellow	Green
Dover AFB	Green -	Green	Yellow	Green -
Dyess AFB	Green	Green	Yellow	Green
Ellsworth AFB	Green -	Green	Yellow	Green -
Fairchild AFB	Green -	Green	Yellow	Green -
Grand Forks AFB	Green -	Green	Yellow	Green -
Little Rock AFB	Green -	Green -	Yellow	Green -
Malmstrom AFB	Green -	Green	Yellow	Green -
McConnell AFB	Green -	Green	Green	Green -
McGuire AFB	Green -	Green	Yellow	Green -
Minot AFB	Yellow +	Green -	Green	Yellow +
Offutt AFB	Green -	Green	Yellow	Green -
Scott AFB	Green -	Green	Green	Green -
Travis AFB	Green	Green	Green	Green
Whiteman AFB	Green -	Green	Yellow	Green -

UNCLASSIFIED

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

I.1.A.2.a BOMBER MISSION - GEOGRAPHIC LOCATION

Base Name	<i>Alternate Airfield</i> I.1.A.2.a.1	<i>Ceiling and Visibility</i> I.1.A.2.a.2	<i>Freezing Precipitation</i> I.1.A.2.a.3	<i>Crosswind Component</i> I.1.A.2.a.4	<i>Air Traffic Control Delays</i> I.1.A.2.a.5	<i>Number of Runways</i> I.1.A.2.a.6	<i>Geographic Location</i> I.1.A.2.a
Altus AFB	Green	Green	Yellow	Green	Green	Green	Green
Barksdale AFB	Green	Green	Green	Green	Green	Green	Green
Beale AFB	Green	Green	Green	Green	Green	Green	Green
Charleston AFB	Green	Green	Green	Green	Green	Green	Green
Dover AFB	Green	Green	Red	Green	Green	Green	Green -
Dyess AFB	Green	Green	Yellow	Green	Green	Green	Green
Ellsworth AFB	Green	Green	Red	Green	Green	Green	Green -
Fairchild AFB	Green	Green	Red	Green	Green	Green	Green -
Grand Forks AFB	Green	Green	Red	Green	Green	Green	Green -
Little Rock AFB	Green	Green	Yellow	Green	Green	Yellow	Green -
Malmstrom AFB	Green	Green	Red	Green	Green	Green	Green -
McConnell AFB	Green	Green	Red	Green	Green	Green	Green -
McGuire AFB	Green	Green	Red	Green	Green	Green	Green -
Minot AFB	Green	Green	Red	Green	Green	Yellow	Yellow +
Offutt AFB	Green	Green	Red	Green	Green	Green	Green -
Scott AFB	Green	Green	Red	Green	Green	Green	Green -
Travis AFB	Green	Green	Green	Green	Green	Green	Green
Whiteman AFB	Green	Green	Red	Green	Green	Green	Green -

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

I.1.A.2.b BOMBER MISSION - TRAINING AREAS

Base Name	<i>Low Altitude MOAs</i>	<i>Scorable Range Complexes</i>	<i>Tactical Training Range Complex</i>	<i>Electronic Combat Ranges</i>	<i>Full Scale Weapons Drop Range</i>	<i>Visual Routes (VRs)/ Instrument Routes (IRs)</i>	<i>Training Areas</i>
Base Name	I.1.A.2.b.1	I.1.A.2.b.2	I.1.A.2.b.3	I.1.A.2.b.4	I.1.A.2.b.5	I.1.A.2.b.6	I.1.A.2.b
Altus AFB	Green	Green	Green	Green	Green	Green	Green
Barksdale AFB	Green	Green	Yellow	Green	Green	Green	Green
Beale AFB	Green	Green	Green	Green	Green	Green	Green
Charleston AFB	Green	Green	Yellow	Green	Green	Green	Green
Dover AFB	Green	Green	Yellow	Green	Green	Green	Green
Dyess AFB	Green	Green	Yellow	Green	Green	Green	Green
Ellsworth AFB	Green	Green	Green	Yellow	Green	Green	Green
Fairchild AFB	Green	Green	Green	Green	Green	Green	Green
Grand Forks AFB	Green	Green	Green	Green	Green	Green	Green
Little Rock AFB	Yellow	Green	Yellow	Green	Green	Green	Green -
Malmstrom AFB	Green	Green	Green	Green	Green	Green	Green
McConnell AFB	Green	Green	Green	Green	Green	Green	Green
McGuire AFB	Green	Green	Yellow	Green	Green	Green	Green
Minot AFB	Green	Yellow	Green	Yellow	Green	Green	Green -
Offutt AFB	Green	Green	Green	Green	Green	Green	Green
Scott AFB	Yellow	Green	Green	Green	Green	Green	Green
Travis AFB	Green	Green	Green	Green	Green	Green	Green
Whiteman AFB	Green	Green	Green	Green	Green	Green	Green

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

I.1.A.3 TANKER MISSION OPERATIONAL EFFECTIVENESS

Base Name	<i>Alternate Airfield</i>	<i>Ceiling and Visibility</i>	<i>Freezing Precipitation</i>	<i>Crosswind Component</i>	<i>Air Traffic Control Delays</i>	<i>Tanker Saturation</i>	<i>Refueling Events</i>	<i>Concentrated Receiver Area</i>	<i>Tanker Effectiveness</i>
	I.1.A.3.a	I.1.A.3.b	I.1.A.3.c	I.1.A.3.d	I.1.A.3.e	I.1.A.3.f	I.1.A.3.g	I.1.A.3.h	I.1.A.3.i
Altus AFB	Green	Green	Yellow	Green	Green	Yellow	Green	Green	Green -
Barksdale AFB	Green	Green	Green	Green	Green	Yellow	Green	Green	Green -
Beale AFB	Green	Green	Green	Green	Green	Green	Green	Yellow	Green
Charleston AFB	Green	Green	Green	Green	Green	Green	Green	Green	Green
Dover AFB	Green	Green	Red	Green	Green	Red	Green	Yellow	Yellow +
Dyess AFB	Green	Green	Yellow	Green	Green	Yellow	Green	Green	Green -
Ellsworth AFB	Yellow	Green	Red	Green	Green	Red	Green	Green	Yellow +
Fairchild AFB	Yellow	Green	Red	Green	Green	Red	Green	Green	Yellow +
Grand Forks AFB	Green	Green	Red	Green	Green	Red	Green	Green	Yellow +
Little Rock AFB	Green	Green	Yellow	Green	Green	Yellow	Green	Green	Green -
Malmstrom AFB	Green	Green	Red	Green	Green	Red	Green	Green	Yellow +
McConnell AFB	Green	Green	Red	Green	Green	Yellow	Green	Green	Green -
McGuire AFB	Green	Green	Red	Green	Green	Red	Green	Yellow	Yellow +
Minot AFB	Green	Green	Red	Green	Green	Red	Green	Green	Yellow +
Offutt AFB	Green	Green	Red	Green	Green	Red	Green	Green	Yellow +
Scott AFB	Green	Green	Red	Green	Green	Red	Green	Green	Yellow +
Travis AFB	Green	Green	Green	Green	Green	Green	Green	Yellow	Green
Whiteman AFB	Green	Green	Red	Green	Green	Yellow	Green	Green	Green -

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

I.1.A.4 AIRLIFT MISSION OPERATIONAL EFFECTIVENESS

*Geographic
Location*

Training Areas

*Airlift
Effectiveness*

Base Name	I.1.A.4.a	I.1.A.4.b	I.1.A.4
Altus AFB	Green	Green	Green
Barksdale AFB	Yellow +	Yellow +	Yellow +
Beale AFB	Green	Yellow +	Green -
Charleston AFB	Yellow +	Green	Green -
Dover AFB	Green	Green -	Green
Dyess AFB	Green	Green	Green
Ellsworth AFB	Green -	Yellow	Yellow +
Fairchild AFB	Green -	Green -	Green -
Grand Forks AFB	Yellow +	Yellow -	Yellow
Little Rock AFB	Yellow +	Green	Green -
Malmstrom AFB	Green	Yellow	Green -
McConnell AFB	Yellow +	Yellow	Yellow +
McGuire AFB	Green	Green -	Green
Minot AFB	Green	Yellow -	Green -
Offutt AFB	Yellow +	Yellow	Yellow +
Scott AFB	Yellow +	Yellow	Yellow +
Travis AFB	Green	Green -	Green
Whiteman AFB	Yellow +	Yellow	Yellow +

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

I.1.A.4.a AIRLIFT MISSION - GEOGRAPHIC LOCATION

Base Name	I.1.A.4.a.1	I.1.A.4.a.2	I.1.A.4.a.3	I.1.A.4.a.4	I.1.A.4.a.5	I.1.A.4.a.6	I.1.A.4.a
Altus AFB	Green	Green	Yellow	Green	Green	Green	Green
Barksdale AFB	Green	Green	Green	Green	Green	Yellow	Yellow +
Beale AFB	Green	Green	Green	Green	Green	Green	Green
Charleston AFB	Green	Green	Green	Green	Green	Yellow	Yellow +
Dover AFB	Green	Green	Red	Green	Green	Green	Green
Dyess AFB	Green	Green	Yellow	Green	Green	Green	Green
Ellsworth AFB	Yellow	Green	Red	Green	Green	Green	Green -
Fairchild AFB	Yellow	Green	Red	Green	Green	Green	Green -
Grand Forks AFB	Green	Green	Red	Green	Green	Yellow	Yellow +
Little Rock AFB	Green	Green	Yellow	Green	Green	Yellow	Yellow +
Malmstrom AFB	Green	Green	Red	Green	Green	Green	Green
McConnell AFB	Green	Green	Red	Green	Green	Yellow	Yellow +
McGuire AFB	Green	Green	Red	Green	Green	Green	Green
Minot AFB	Green	Green	Red	Green	Green	Green	Green
Offutt AFB	Green	Green	Red	Green	Green	Yellow	Yellow +
Scott AFB	Green	Green	Red	Green	Green	Yellow	Yellow +
Travis AFB	Green	Green	Green	Green	Green	Green	Green
Whiteman AFB	Green	Green	Red	Green	Green	Yellow	Yellow +

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

I.1.A.4.b AIRLIFT MISSION - TRAINING AREAS (Personnel and Equipment Drop Zones, Landing Zones)

*Personnel Drop
Zones*

*Personnel DZ
Associated IRs*

*Personnel DZ
Associated Slow
Routes (SRs)*

Landing Zone

*Equipment Drop
Zones*

*Equipment DZ
Associated IRs*

*Equipment DZ
Associated SRs*

Base Name	I.1.A.4.b.1	I.1.A.4.b.2	I.1.A.4.b.3	I.1.A.4.b.4	I.1.A.4.b.5	I.1.A.4.b.6	I.1.A.4.b.7
Altus AFB	Green						
Barksdale AFB	Green	Red	Red	Green	Green	Red	Red
Beale AFB	Green	Green	Red	Yellow	Yellow	Green	Red
Charleston AFB	Green						
Dover AFB	Green	Red	Green	Green	Green	Red	Green
Dyess AFB	Green						
Ellsworth AFB	Green	Red	Red	Green	Red	Red	Red
Fairchild AFB	Green	Red	Green	Green	Green	Red	Green
Grand Forks AFB	Red	Red	Red	Yellow	Red	Red	Red
Little Rock AFB	Green						
Malmstrom AFB	Green	Red	Red	Yellow	Red	Red	Red
McConnell AFB	Yellow	Red	Red	Yellow	Yellow	Red	Red
McGuire AFB	Green	Red	Green	Yellow	Green	Red	Green
Minot AFB	Red	Red	Red	Yellow	Red	Red	Red
Offutt AFB	Red	Red	Red	Yellow	Red	Red	Red
Scott AFB	Yellow	Red	Red	Yellow	Yellow	Red	Red
Travis AFB	Green	Green	Red	Green	Green	Green	Red
Whiteman AFB	Red	Red	Red	Yellow	Red	Red	Red

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

I.1.A.4.b AIRLIFT MISSION - TRAINING AREAS (Cont.) (Airdrop, Refueling)

Base Name	<i>Airdrop Employment</i>	<i>Full Scale Airdrop</i>	<i>Air Refueling Routes</i>	<i>Training Areas</i>
	I.1.A.4.b.8	I.1.A.4.b.9	I.1.A.4.b.10	I.1.A.4.b
Altus AFB	Green	Yellow	Green	Green
Barksdale AFB	Green	Green	Green	Yellow +
Beale AFB	Green	Green	Green	Yellow +
Charleston AFB	Green	Green	Green	Green
Dover AFB	Green	Green	Yellow	Green -
Dyess AFB	Green	Green	Green	Green
Ellsworth AFB	Green	Green	Green	Yellow
Fairchild AFB	Green	Green	Green	Green -
Grand Forks AFB	Yellow	Yellow	Green	Yellow -
Little Rock AFB	Green	Green	Green	Green
Malmstrom AFB	Green	Yellow	Green	Yellow
McConnell AFB	Green	Green	Green	Yellow
McGuire AFB	Green	Green	Yellow	Green -
Minot AFB	Yellow	Yellow	Green	Yellow -
Offutt AFB	Green	Green	Green	Yellow
Scott AFB	Green	Green	Green	Yellow
Travis AFB	Green	Green	Green	Green -
Whiteman AFB	Green	Green	Green	Yellow

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

I.1.C AIRFIELD CAPABILITIES (Runways, Taxiways, Aprons)

Base Name	<i>Fighter Mission</i>	<i>Bomber Mission</i>	<i>Tanker Mission</i>	<i>Airlift Mission</i>	<i>Airfield Capabilities</i>
	I.1.C.1	I.1.C.2	I.1.C.3	I.1.C.4	I.1.C
Altus AFB	Green	Red	Green	Green	Green -
Barksdale AFB	Green	Green	Green	Green	Green
Beale AFB	Green	Green	Green	Red	Green -
Charleston AFB	Green	Red	Green	Green	Green -
Dover AFB	Green	Red	Green	Green	Green -
Dyess AFB	Green	Green	Green	Green	Green
Ellsworth AFB	Green	Red	Green	Green	Green -
Fairchild AFB	Green	Red	Green	Green	Green -
Grand Forks AFB	Green	Green	Green	Green	Green
Little Rock AFB	Green	Red	Red	Red	Yellow -
Malmstrom AFB	Green	Green	Green	Red	Green -
McConnell AFB	Green	Green	Green	Green	Green
McGuire AFB	Green	Red	Green	Green	Green -
Minot AFB	Green	Green	Green	Green	Green
Offutt AFB	Green	Red	Green	Green	Green -
Scott AFB	Red	Red	Red	Red	Red
Travis AFB	Green	Red	Green	Green	Green -
Whiteman AFB	Green	Red	Green	Green	Green -

UNCLASSIFIED

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

I.2 MISSION REQUIREMENTS - MISSILE

Applies only to bases in the large aircraft category which also have a missile mission.

Detailed grades are classified SECRET

See Classified Appendix 12

UNCLASSIFIED

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

II FACILITIES AVAILABILITY and CONDITION

*Mission Support
Facilities* *On Base Housing* *Airspace
Encroachment* *Air Quality* *Overall*

Base Name	II.1	II.2	II.3	II.4	II
Altus AFB	Yellow -	Green -	Green	Green	Green -
Barksdale AFB	Green -	Green -	Green -	Green	Green -
Beale AFB	Yellow +	Yellow +	Green	Yellow -	Yellow +
Charleston AFB	Yellow	Green	Yellow +	Green -	Yellow +
Dover AFB	Yellow	Yellow -	Green	Red	Yellow -
Dyess AFB	Yellow +	Green	Green	Green	Green -
Ellsworth AFB	Green	Green	Green -	Green	Green
Fairchild AFB	Green -	Green -	Green -	Green	Green -
Grand Forks AFB	Yellow	Yellow -	Green	Green	Green -
Little Rock AFB	Yellow	Green	Green -	Green	Green -
Malmstrom AFB	Yellow	Yellow +	Green	Green -	Green -
McConnell AFB	Yellow +	Green -	Yellow +	Green	Green -
McGuire AFB	Green -	Yellow	Green	Red +	Yellow
Minot AFB	Yellow +	Yellow -	Green	Green	Green -
Offutt AFB	Green	Yellow -	Green	Green	Green
Scott AFB	Yellow	Green -	Green -	Yellow	Yellow +
Travis AFB	Yellow +	Yellow	Green	Red	Yellow
Whiteman AFB	Yellow +	Green -	Green -	Green	Green -

UNCLASSIFIED

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

II.1 Mission Support Facilities

Base Name	<i>Facilities Capacity</i>	<i>Facilities Condition Buildings</i>	<i>Facilities Condition Infrastructure</i>	<i>Unique Facilities</i>	<i>Utility Capacity</i>	<i>Facilities</i>
	II.1.A	II.1.B	II.1.C	II.1.D	II.1.E	II.1
Altus AFB	Red	Yellow	Yellow	Red	Green	Yellow -
Barksdale AFB	Green	Yellow	Yellow	Red	Green	Green -
Beale AFB	Yellow	Yellow +	Yellow +	Green	Green	Yellow +
Charleston AFB	Yellow	Yellow	Yellow	Red	Green	Yellow
Dover AFB	Yellow	Yellow -	Yellow	Red	Yellow +	Yellow
Dyess AFB	Yellow	Yellow +	Green -	Red	Green	Yellow +
Ellsworth AFB	Green	Green -	Green	Red	Green	Green
Fairchild AFB	Green	Yellow +	Green -	Green	Green	Green -
Grand Forks AFB	Yellow	Yellow	Yellow +	Red	Yellow +	Yellow
Little Rock AFB	Yellow	Yellow -	Yellow -	Green	Green	Yellow
Malmstrom AFB	Red	Green -	Green -	Red	Green	Yellow
McConnell AFB	Yellow	Green -	Yellow +	Red	Green	Yellow +
McGuire AFB	Green	Yellow -	Green -	Red	Green	Green -
Minot AFB	Yellow	Green	Green -	Red	Green	Yellow +
Offutt AFB	Green	Green	Green -	Green	Green	Green
Scott AFB	Yellow	Yellow	Red +	Red	Green	Yellow
Travis AFB	Green	Yellow -	Yellow	Red	Yellow +	Yellow +
Whiteman AFB	Yellow	Yellow	Yellow +	Green	Green	Yellow +

UNCLASSIFIED

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

II.2 ON BASE HOUSING

Housing Capacity

Housing Condition

On Base Housing

Base Name	II.2.A	II.2.B	II.2
Altus AFB	Yellow	Green	Green -
Barksdale AFB	Yellow	Green	Green -
Beale AFB	Green	Yellow	Yellow +
Charleston AFB	Green	Green	Green
Dover AFB	Red	Yellow	Yellow -
Dyess AFB	Green	Green	Green
Ellsworth AFB	Green	Green	Green
Fairchild AFB	Yellow	Green	Green -
Grand Forks AFB	Green	Red	Yellow -
Little Rock AFB	Green	Green	Green
Malmstrom AFB	Green	Yellow	Yellow +
McConnell AFB	Yellow	Green	Green -
McGuire AFB	Yellow	Yellow	Yellow
Minot AFB	Green	Red	Yellow -
Offutt AFB	Green	Red	Yellow -
Scott AFB	Yellow	Green	Green -
Travis AFB	Yellow	Yellow	Yellow
Whiteman AFB	Yellow	Green	Green -

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

II.3 AIRSPACE ENCROACHMENT

Base Name	<i>Existing Associated Airspace</i>	<i>Future Associated Airspace</i>	<i>Existing Local Flying Area</i>	<i>Future Local Flying Area</i>	<i>Existing Local Community</i>	<i>Future Local Community</i>	<i>ENCROACHMENT</i>
	II.3.A	II.3.B	II.3.C	II.3.D	II.3.E	II.3.F	II.3
Altus AFB	Green	Green	Green	Green	Green	Green	Green
Barksdale AFB	Green	Green	Yellow	Yellow	Green -	Green -	Green -
Beale AFB	Green	Green	Green	Green	Green	Green	Green
Charleston AFB	Green	Green	Yellow	Yellow	Yellow +	Yellow +	Yellow +
Dover AFB	Green	Green	Yellow	Yellow	Green	Green	Green
Dyess AFB	Green	Green	Green	Green	Green	Green	Green
Ellsworth AFB	Green	Green	Green	Green	Yellow +	Yellow +	Green -
Fairchild AFB	Green	Green	Green	Green	Green -	Green -	Green -
Grand Forks AFB	Green	Green	Green	Green	Green	Green	Green
Little Rock AFB	Green	Green	Green	Green	Green -	Yellow	Green -
Malmstrom AFB	Green	Green	Green	Green	Green	Green	Green
McConnell AFB	Green	Green	Green	Green	Yellow -	Yellow -	Yellow +
McGuire AFB	Green	Green	Yellow	Yellow	Green	Green	Green
Minot AFB	Green	Green	Green	Green	Green	Green	Green
Offutt AFB	Green	Green	Green	Green	Green	Green	Green
Scott AFB	Green	Green	Green	Green	Yellow +	Green	Green -
Travis AFB	Green	Green	Green	Green	Green	Green	Green
Whiteman AFB	Green	Green	Yellow	Yellow	Green -	Green -	Green -

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

II.3.A EXISTING ASSOCIATED AIRSPACE

Base Name	<i>MOAs and Restricted Airspace</i>	<i>Bombing Ranges Drop Zones</i>	<i>Low Level Routes</i>	<i>Associated Airspace</i>
	II.3.A.1	II.3.A.2	II.3.A.3	II.3.A
Altus AFB	Green	Green	Green	Green
Barksdale AFB	Green	Green	Green	Green
Beale AFB	Green	Green	Green	Green
Charleston AFB	Green	Green	Green	Green
Dover AFB	Green	Green	Green	Green
Dyess AFB	Green	Green	Green	Green
Ellsworth AFB	Green	Green	Green	Green
Fairchild AFB	Green	Green	Green	Green
Grand Forks AFB	Green	Green	Green	Green
Little Rock AFB	Green	Green	Green	Green
Malmstrom AFB	Green	Green	Green	Green
McConnell AFB	Green	Green	Green	Green
McGuire AFB	Green	Green	Green	Green
Minot AFB	Green	Green	Green	Green
Offutt AFB	Green	Green	Green	Green
Scott AFB	Green	Green	Green	Green
Travis AFB	Green	Green	Green	Green
Whiteman AFB	Green	Green	Green	Green

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

II.3.B FUTURE ASSOCIATED AIRSPACE

Base Name	II.3.B.1	II.3.B.2	II.3.B.3	II.3.B
Altus AFB	Green	Green	Green	Green
Barksdale AFB	Green	Green	Green	Green
Beale AFB	Green	Green	Green	Green
Charleston AFB	Green	Green	Green	Green
Dover AFB	Green	Green	Green	Green
Dyess AFB	Green	Green	Green	Green
Ellsworth AFB	Green	Green	Green	Green
Fairchild AFB	Green	Green	Green	Green
Grand Forks AFB	Green	Green	Green	Green
Little Rock AFB	Green	Green	Green	Green
Malmstrom AFB	Green	Green	Green	Green
McConnell AFB	Green	Green	Green	Green
McGuire AFB	Green	Green	Green	Green
Minot AFB	Green	Green	Green	Green
Offutt AFB	Green	Green	Green	Green
Scott AFB	Green	Green	Green	Green
Travis AFB	Green	Green	Green	Green
Whiteman AFB	Green	Green	Green	Green

*MOAs and
Restricted Airspace*

*Bombing Ranges
Drop Zones*

*Low Level
Routes*

*Associated
Airspace*

UNCLASSIFIED

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

II.3.E EXISTING LOCAL COMMUNITY ENCROACHMENT

Base Name	<i>Clear Zone</i>	<i>Accident Potential Zone I</i>	<i>Accident Potential Zone II</i>	<i>Noise Contour 65-70 Ldn</i>	<i>Noise Contour 70-75 Ldn</i>	<i>Noise Contour 75-80 Ldn</i>	<i>Noise Contour 80 Ldn and above</i>	<i>Existing Local</i>
	II.3.E.1	II.3.E.2	II.3.E.3	II.3.E.4	II.3.E.5	II.3.E.6	II.3.E.7	II.3.E
Altus AFB	Green	Green	Green	Green	Green	Green	Green	Green
Barksdale AFB	Green	Yellow	Green	Green	Green	Yellow	Green	Green -
Beale AFB	Green	Green	Green	Green	Green	Green	Green	Green
Charleston AFB	Red	Yellow	Yellow -	Yellow	Yellow	Green	Green	Yellow +
Dover AFB	Green	Green	Green	Green	Green	Green	Green	Green
Dyess AFB	Green	Green	Green	Green	Green	Green	Green	Green
Ellsworth AFB	Green	Yellow	Yellow	Green	Green	Green	Yellow	Yellow +
Fairchild AFB	Green	Green	Yellow	Red	Green	Yellow	Green	Green -
Grand Forks AFB	Green	Green	Green	Green	Green	Green	Green	Green
Little Rock AFB	Green	Yellow	Green -	Yellow	Yellow	Green	Green	Green -
Malmstrom AFB	Green	Green	Green	Green	Green	Green	Green	Green
McConnell AFB	Red	Yellow -	Yellow	Red	Red	Red	Yellow	Yellow -
McGuire AFB	Green	Green	Green	Green	Green	Green	Green	Green
Minot AFB	Green	Green	Green	Green	Green	Green	Green	Green
Offutt AFB	Green	Green	Green	Green	Green	Green	Green	Green
Scott AFB	Green	Green -	Yellow -	Yellow	Yellow	Yellow	Green	Yellow +
Travis AFB	Green	Green -	Green -	Green	Green	Green	Green	Green
Whiteman AFB	Green	Yellow	Green	Green	Green	Green	Green	Green -

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

II.3.F FUTURE LOCAL COMMUNITY ENCROACHMENT

	<i>Clear Zone</i>	<i>Accident Potential Zone I</i>	<i>Accident Potential Zone II</i>	<i>Noise Contour 65-70 Ldn</i>	<i>Noise Contour 70-75 Ldn</i>	<i>Noise Contour 75-80 Ldn</i>	<i>Noise Contour 80 Ldn and above</i>	<i>Future Local</i>
Base Name	II.3.F.1	II.3.F.2	II.3.F.3	II.3.F.4	II.3.F.5	II.3.F.6	II.3.F.7	II.3.F
Altus AFB	Green	Green -	Green	Green	Green	Green	Green	Green
Barksdale AFB	Green	Yellow	Green	Green	Green	Yellow	Green	Green -
Beale AFB	Green	Green	Green	Green	Green	Green	Green	Green
Charleston AFB	Red	Yellow	Yellow -	Yellow	Yellow	Green	Green	Yellow +
Dover AFB	Green	Green	Green	Green	Green	Green	Green	Green
Dyess AFB	Green	Green	Green	Green	Green	Green	Green	Green
Ellsworth AFB	Green	Yellow	Yellow	Green	Green	Green	Yellow	Yellow +
Fairchild AFB	Green	Green	Yellow	Red	Green	Green	Green	Green -
Grand Forks AFB	Green	Green	Green	Green	Green	Green	Green	Green
Little Rock AFB	Green	Red	Yellow -	Red	Red	Green	Green	Yellow
Malmstrom AFB	Green	Green	Green	Green	Green	Green	Green	Green
McConnell AFB	Red	Yellow -	Yellow	Red	Red	Red	Yellow	Yellow -
McGuire AFB	Green	Green	Green	Green	Green	Green	Green	Green
Minot AFB	Green	Green	Green	Green	Green	Green	Green	Green
Offutt AFB	Green	Green	Green	Green	Green	Green	Green	Green
Scott AFB	Green	Green	Yellow -	Green	Green	Green	Green	Green
Travis AFB	Green	Green -	Green -	Green	Green	Green	Green	Green
Whiteman AFB	Green	Yellow	Green	Green	Green	Green	Green	Green -

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

II.4 AIR QUALITY

Attainment Status *Restrictions* *Future Growth* *Air Quality*

Base Name	II.4.A	II.4.B	II.4.C	II.4
Altus AFB	Green	Green	Green	Green
Barksdale AFB	Green	Green	Green	Green
Beale AFB	Yellow	Red	Yellow	Yellow -
Charleston AFB	Green	Yellow	Green	Green -
Dover AFB	Red	Red	Red	Red
Dyess AFB	Green	Green	Green	Green
Ellsworth AFB	Green	Green	Green	Green
Fairchild AFB	Green	Green	Green	Green
Grand Forks AFB	Green	Green	Green	Green
Little Rock AFB	Green	Green	Green	Green
Malmstrom AFB	Green	Yellow	Green	Green -
McConnell AFB	Green	Green	Green	Green
McGuire AFB	Red	Yellow	Red	Red +
Minot AFB	Green	Green	Green	Green
Offutt AFB	Green	Green	Green	Green
Scott AFB	Yellow	Green	Red	Yellow
Travis AFB	Yellow	Red	Red	Red
Whiteman AFB	Green	Green	Green	Green

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories
III CONTINGENCY, MOBILITY, and DEPLOYMENT REQUIREMENTS

Base Name	III.1 <i>Maximum on Ground Capacity</i>	III.2 <i>Wide Body Aircraft Operations</i>	III.3 <i>Fuel Hydrant System</i>	III.4 <i>Fuel Storage by Pipeline</i>	III.5 <i>Munitions (Cat 1.1) Capacity</i>	III.6 <i>Hot Cargo Pad</i>	III.7 <i>Geographic Location</i>	III <i>Overall</i>
Altus AFB	Green	Green	Green	Green	Yellow	Green	Yellow +	Green -
Barksdale AFB	Yellow	Green	Green	Green	Green	Green	Green	Green -
Beale AFB	Yellow	Green	Green	Green	Yellow	Green	Yellow +	Green -
Charleston AFB	Green	Green	Green	Green	Red	Green	Green	Green -
Dover AFB	Green	Green	Green	Green	Red	Green	Green	Green -
Dyess AFB	Yellow	Green	Green	Green	Green	Green	Yellow +	Green -
Ellsworth AFB	Yellow	Green	Green	Green	Green	Green	Yellow -	Green -
Fairchild AFB	Yellow	Green	Green	Green	Green	Green	Yellow -	Green -
Grand Forks AFB	Yellow	Green	Green	Green	Yellow	Green	Yellow -	Yellow +
Little Rock AFB	Green	Green	Green	Green	Green	Green	Yellow -	Green -
Malmstrom AFB	Red	Green	Green	Red	Yellow	Green	Yellow -	Yellow
McConnell AFB	Yellow	Green	Green	Green	Yellow	Green	Yellow +	Green -
McGuire AFB	Green	Green	Green	Green	Red	Green	Green	Green -
Minot AFB	Red	Green	Green	Red	Green	Green	Yellow -	Yellow +
Offutt AFB	Yellow	Green	Green	Green	Red	Green	Yellow +	Yellow +
Scott AFB	Yellow	Green	Red	Red	Red	Green	Yellow +	Yellow
Travis AFB	Green	Green	Green	Green	Yellow	Green	Yellow +	Green -
Whiteman AFB	Yellow	Green	Green	Red	Green	Green	Yellow +	Yellow +

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

III.7 GEOGRAPHIC LOCATION

*Ground Force
Installation* *Rail Access* *Port Facility* *Geographic
Location*

Base Name	III.7.A	III.7.B	III.7.C	III.7
Altus AFB	Green	Green	Red	Yellow +
Barksdale AFB	Green	Green	Green	Green
Beale AFB	Red	Green	Green	Yellow +
Charleston AFB	Green	Green	Green	Green
Dover AFB	Green	Green	Green	Green
Dyess AFB	Green	Green	Red	Yellow +
Ellsworth AFB	Red	Green	Red	Yellow -
Fairchild AFB	Red	Green	Red	Yellow -
Grand Forks AFB	Red	Green	Red	Yellow -
Little Rock AFB	Red	Green	Red	Yellow -
Malmstrom AFB	Red	Green	Red	Yellow -
McConnell AFB	Green	Green	Red	Yellow +
McGuire AFB	Green	Green	Green	Green
Minot AFB	Red	Green	Red	Yellow -
Offutt AFB	Green	Green	Red	Yellow +
Scott AFB	Green	Green	Red	Yellow +
Travis AFB	Red	Green	Green	Yellow +
Whiteman AFB	Green	Green	Red	Yellow +

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

IV/V Cost and Manpower Implications/Return on Investment

Base Name	<i>One Time Costs (Closing)</i>	<i>20 Year Net Present Value</i>	<i>Steady State Savings</i>	<i>Manpower Savings</i>	<i>Return On Investment</i>
Base Name	IV.1	IV.2			V
Altus AFB	433	18	28	833	20
Barksdale AFB	221	-378	41	1094	5
Beale AFB	199	-567	53	1081	3
Charleston AFB	423	-100	36	838	14
Dover AFB	322	-314	44	975	8
Dyess AFB	132	-443	40	906	3
Ellsworth AFB	41	-849	63	1257	1
Fairchild AFB	300	-306	42	1044	8
Grand Forks AFB	129	-731	60	1217	2
Little Rock AFB	328	-347	47	843	8
Malmstrom AFB	32	-797	59	1187	1
McConnell AFB	224	-347	40	765	6
McGuire AFB	624	-386	70	1077	10
Minot AFB	59	-801	61	1221	1
Offutt AFB	515	-151	46	1058	13
Scott AFB	240	-528	54	1102	5
Travis AFB	846	-207	70	1308	14
Whiteman AFB	326	-383	50	1084	7

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

VI Economic Impact

Base Name	Economic Area Employment (93)	Direct Job Loss (Current BRAC)	Indirect Job Loss (Current BRAC)	Previous Job Loss (Prior BRACs)	Total Job Loss (Current BRAC)	Percent Job Loss (Current BRAC)	Cumulative Loss (All BRACs)	Percent Job Loss (All BRACs)
Altus AFB	13,775	4,378	1,324	-875	5,702	41.4%	4,827	35.0%
Barksdale AFB	176,448	6,505	2,402	-1	8,907	5.0%	8,906	5.0%
Beale AFB	55,424	4,022	1,274	-467	5,296	9.6%	4,829	8.7%
Charleston AFB	283,695	4,853	2,176	26,721	7,029	2.5%	33,750	11.9%
Dover AFB	62,375	5,872	1,983	-	7,855	12.6%	-	-
Dyess AFB	72,083	4,503	1,387	8	5,890	8.2%	5,898	8.2%
Ellsworth AFB	66,035	4,408	1,385	-264	5,793	8.8%	5,529	8.4%
Fairchild AFB	210,658	5,908	2,534	-	8,442	4.0%	-	-
Grand Forks AFB	45,092	5,286	1,648	-	6,934	15.4%	-	-
Little Rock AFB	327,777	5,707	2,534	-	8,241	2.5%	-	-
Malmstrom AFB	44,140	5,089	1,598	8	6,687	15.1%	6,695	15.2%
McConnell AFB	315,847	4,982	2,205	-362	7,187	2.3%	6,825	2.2%
McGuire AFB	2,604,793	7,268	3,900	25,965	11,168	0.4%	37,133	1.4%
Minot AFB	35,475	4,985	1,556	-	6,541	18.4%	-	-
Offutt AFB	425,842	11,477	5,018	-	16,495	3.9%	-	-
Scott AFB	1,428,582	10,284	5,645	-	15,929	1.1%	-	-
Travis AFB	199,322	10,830	4,793	17,009	15,623	7.8%	32,632	16.4%
Whiteman AFB	41,809	3,753	1,216	-529	4,969	11.9%	4,440	10.6%

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

VI Economic Impact - Community Statistics

Base Name	Economic Statistical Area	Population (1992 Census)	Per Capita Income (1991)	1984-1991 Average Income Increase
Altus AFB	Jackson County, OK	28,000	\$13,677	5.6%
Barksdale AFB	Bossier-Caddo Parishes, LA	332,000	\$17,387	4.5%
Beale AFB	Yuba City, CA MSA	129,000	\$16,087	4.9%
Charleston AFB	Charleston - North Charleston, SC MSA	527,000	\$16,240	5.9%
Dover AFB	Dover, DE MSA	116,000	\$15,909	5.7%
Dyess AFB	Abilene, TX MSA	120,000	\$17,263	4.2%
Ellsworth AFB	Meade-Pennington Counties, SD	108,000	\$16,415	4.6%
Fairchild AFB	Spokane, WA MSA	381,000	\$18,069	5.2%
Grand Forks AFB	Grand Forks County, ND	70,000	\$15,844	5.0%
Little Rock AFB	Little Rock-North Little Rock, AR MSA	524,000	\$18,657	5.6%
Malmstrom AFB	Great Falls, MT MSA	79,000	\$17,452	4.7%
McConnell AFB	Wichita, KS MSA	500,000	\$20,591	4.7%
McGuire AFB	Philadelphia, PA PMSA	4,940,000	\$23,398	6.1%
Minot AFB	Ward County, ND	57,000	\$16,611	5.1%
Offutt AFB	Omaha, NE-IA MSA	655,000	\$20,247	5.3%
Scott AFB	St Louis, MO-IL MSA	2,514,000	\$21,705	5.2%
Travis AFB	Valleho-Fairfield-NAPA, CA PMSA	474,000	\$20,085	4.6%
Whiteman AFB	Johnson County, MO	78,000	\$14,556	4.8%

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

VI Economic Impact - Unemployment Statistics

Base Name	Economic Statistical Area	Unemployment (10 Year Average)	Unemployment (3 Year Average)	Unemployment (1993)
Altus AFB	Jackson County, OK	6.2%	5.8%	4.6%
Barksdale AFB	Bossier-Caddo Parishes, LA	8.6%	7.0%	6.7%
Beale AFB	Yuba City, CA MSA	14.8%	16.9%	17.0%
Charleston AFB	Charleston - North Charleston, SC MSA	4.8%	5.7%	6.6%
Dover AFB	Dover, DE MSA	5.7%	6.7%	6.0%
Dyess AFB	Abilene, TX MSA	6.5%	6.1%	5.8%
Ellsworth AFB	Meade-Pennington Counties, SD	4.1%	3.5%	3.8%
Fairchild AFB	Spokane, WA MSA	6.9%	6.4%	6.3%
Grand Forks AFB	Grand Forks County, ND	3.5%	3.3%	2.8%
Little Rock AFB	Little Rock-North Little Rock, AR MSA	6.3%	5.7%	4.8%
Malmstrom AFB	Great Falls, MT MSA	6.5%	6.0%	6.1%
McConnell AFB	Wichita, KS MSA	5.0%	4.7%	5.4%
McGuire AFB	Philadelphia, PA PMSA	5.6%	6.9%	6.8%
Minot AFB	Ward County, ND	5.3%	4.7%	4.9%
Offutt AFB	Omaha, NE-IA MSA	4.1%	3.2%	2.9%
Scott AFB	St Louis, MO-IL MSA	6.6%	6.5%	6.5%
Travis AFB	Valleho-Fairfield-NAPA, CA PMSA	6.6%	7.6%	8.0%
Whiteman AFB	Johnson County, MO	5.6%	5.9%	6.2%

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

VII COMMUNITY

Base Name	<i>Off-Base Housing</i>	<i>Transportation</i>	<i>Off-Base Recreation</i>	<i>Shopping Mall</i>	<i>Metro Center</i>	<i>Local Area Crime Rate</i>	<i>Education</i>	<i>Employment Opportunities</i>	<i>Local Medical Care</i>	<i>Overall</i>
Base Name	VII.1	VII.2	VII.3	VII.4	VII.5	VII.6	VII.7	VII.8	VII.9	VII
Altus AFB	Yellow	Yellow +	Green -	Red	Red	Yellow	Green -	Green	Red	Yellow
Barksdale AFB	Yellow	Green	Green -	Green	Green	Yellow -	Green	Yellow	Green	Green -
Beale AFB	Yellow	Yellow	Green -	Yellow	Green	Red	Green	Red	Yellow	Yellow
Charleston AFB	Yellow	Green	Green -	Green	Green	Yellow -	Green -	Yellow	Green	Yellow +
Dover AFB	Yellow	Green -	Green -	Green	Green	Yellow	Green	Green	Green	Green -
Dyess AFB	Yellow	Green	Green -	Green	Green	Yellow	Green	Green	Yellow	Green -
Ellsworth AFB	Yellow	Yellow +	Green	Green	Red	Green -	Green	Green	Green	Green -
Fairchild AFB	Yellow	Green -	Green	Green	Green	Yellow -	Green -	Green	Yellow	Yellow +
Grand Forks AFB	Green -	Yellow +	Yellow +	Yellow	Red	Green -	Green	Green	Yellow	Yellow +
Little Rock AFB	Yellow	Green -	Green -	Green	Green	Red	Green -	Green	Yellow	Yellow +
Malmstrom AFB	Green -	Green	Yellow +	Green	Red	Yellow	Green -	Yellow	Green	Yellow +
McConnell AFB	Yellow	Green	Green -	Green	Green	Yellow -	Green	Green	Green	Green -
McGuire AFB	Yellow	Yellow +	Green	Green	Green	Green	Green	Red	Red	Yellow +
Minot AFB	Green	Green -	Green -	Green	Red	Green -	Green -	Green	Yellow	Green -
Offutt AFB	Yellow	Green	Green	Green	Green	Green -	Green	Green	Green	Green -
Scott AFB	Yellow	Green -	Green -	Green	Green	Yellow -	Green -	Yellow	Yellow	Yellow +
Travis AFB	Yellow -	Green -	Green -	Green	Green	Yellow	Green	Yellow	Red	Yellow +
Whiteman AFB	Green -	Yellow +	Green -	Red	Yellow	Green	Green	Yellow	Red	Yellow +

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

VII.1 OFF-BASE HOUSING

Affordable *Suitable* *Off-Base Housing*

Base Name	VII.1.A	VII.1.B	VII.1
Altus AFB	Green	Red	Yellow
Barksdale AFB	Yellow	Yellow	Yellow
Beale AFB	Yellow	Yellow	Yellow
Charleston AFB	Yellow	Yellow	Yellow
Dover AFB	Yellow	Yellow	Yellow
Dyess AFB	Yellow	Yellow	Yellow
Ellsworth AFB	Yellow	Yellow	Yellow
Fairchild AFB	Yellow	Yellow	Yellow
Grand Forks AFB	Green	Yellow	Green -
Little Rock AFB	Yellow	Yellow	Yellow
Malmstrom AFB	Green	Yellow	Green -
McConnell AFB	Yellow	Yellow	Yellow
McGuire AFB	Yellow	Yellow	Yellow
Minot AFB	Green	Green	Green
Offutt AFB	Yellow	Yellow	Yellow
Scott AFB	Yellow	Yellow	Yellow
Travis AFB	Red	Yellow	Yellow -
Whiteman AFB	Green	Yellow	Green -

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

VII.2 TRANSPORTATION

Base Name	<i>Public Transportation</i>	<i>Municipal Airport Proximity</i>	<i>Municipal Airport Carriers</i>	<i>Commute Time to Work</i>	<i>Transportation</i>
	VII.2.A	VII.2.B	VII.2.C	VII.2.D	VII.2
Altus AFB	Green	Red	Yellow	Green	Yellow +
Barksdale AFB	Green	Green	Green	Green	Green
Beale AFB	Red	Yellow	Green	Yellow	Yellow
Charleston AFB	Green	Green	Green	Green	Green
Dover AFB	Green	Red	Green	Green	Green -
Dyess AFB	Green	Green	Green	Green	Green
Ellsworth AFB	Red	Green	Green	Yellow	Yellow +
Fairchild AFB	Green	Green	Green	Yellow	Green -
Grand Forks AFB	Red	Green	Green	Yellow	Yellow +
Little Rock AFB	Red	Green	Green	Green	Green -
Malmstrom AFB	Green	Green	Green	Green	Green
McConnell AFB	Green	Green	Green	Green	Green
McGuire AFB	Green	Yellow	Green	Yellow	Yellow +
Minot AFB	Green	Green	Green	Yellow	Green -
Offutt AFB	Green	Green	Green	Green	Green
Scott AFB	Green	Yellow	Green	Green	Green -
Travis AFB	Green	Yellow	Green	Green	Green -
Whiteman AFB	Red	Red	Green	Green	Yellow +

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

VII.3 OFF-BASE RECREATION

*Swimming Pool**Movie Theater**Public Golf Course**Bowling Lane**Boating**Fishing**Zoo*

Base Name	VII.3.A	VII.3.B	VII.3.C	VII.3.D	VII.3.E	VII.3.F	VII.3.G
Altus AFB	Green	Green	Green	Green	Green	Green	Yellow
Barksdale AFB	Green	Green	Green	Green	Green	Green	Yellow
Beale AFB	Green	Green	Yellow	Green	Green	Green	Green
Charleston AFB	Green						
Dover AFB	Green						
Dyess AFB	Green						
Ellsworth AFB	Green						
Fairchild AFB	Green						
Grand Forks AFB	Green	Green	Green	Green	Green	Green	Red
Little Rock AFB	Green	Green	Green	Green	Red	Green	Green
Malmstrom AFB	Green	Green	Green	Green	Green	Green	Red
McConnell AFB	Green						
McGuire AFB	Green						
Minot AFB	Green						
Offutt AFB	Green						
Scott AFB	Green	Green	Green	Green	Yellow	Yellow	Green
Travis AFB	Green	Green	Green	Green	Yellow	Yellow	Green
Whiteman AFB	Green	Green	Green	Green	Red	Green	Green

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

VII.3 OFF-BASE RECREATION (Cont.)

Base Name	<i>Aquarium</i>	<i>Theme Park</i>	<i>Professional Sports</i>	<i>College Sports</i>	<i>Camping Facilities</i>	<i>Beaches</i>	<i>Winter Sports</i>	<i>Off-Base Recreation</i>
	VII.3.H	VII.3.I	VII.3.J	VII.3.K	VII.3.L	VII.3.M	VII.3.N	VII.3
Altus AFB	Yellow	Red	Yellow	Green	Green	Green	Red	Green -
Barksdale AFB	Red	Green	Green	Green	Green	Green	Red	Green -
Beale AFB	Yellow	Green	Green	Green	Green	Yellow	Green	Green -
Charleston AFB	Red	Green	Green	Green	Green	Green	Red	Green -
Dover AFB	Yellow	Yellow	Green	Green	Green	Green	Red	Green -
Dyess AFB	Green	Red	Red	Green	Green	Green	Red	Green -
Ellsworth AFB	Green	Green	Green	Green	Green	Green	Green	Green
Fairchild AFB	Red	Green	Green	Green	Green	Green	Green	Green
Grand Forks AFB	Red	Red	Red	Green	Green	Green	Yellow	Yellow +
Little Rock AFB	Red	Green	Green	Green	Green	Green	Red	Green -
Malmstrom AFB	Red	Red	Red	Green	Green	Green	Green	Yellow +
McConnell AFB	Red	Green	Green	Green	Green	Green	Red	Green -
McGuire AFB	Green	Green	Green	Green	Green	Green	Green	Green
Minot AFB	Red	Red	Red	Green	Green	Green	Green	Green -
Offutt AFB	Green	Green	Green	Green	Green	Green	Green	Green
Scott AFB	Red	Green	Green	Green	Green	Green	Green	Green -
Travis AFB	Green	Green	Green	Green	Green	Green	Red	Green -
Whiteman AFB	Red	Green	Green	Green	Green	Green	Yellow	Green -

OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

VII.6 LOCAL AREA CRIME RATE

*Violent Crime
Rate*

*Property Crime
Rate*

*Local Area
Crime Rate*

Base Name	VII.6.A	VII.6.B	VII.6
Altus AFB	Green	Red	Yellow
Barksdale AFB	Red	Yellow	Yellow -
Beale AFB	Red	Red	Red
Charleston AFB	Red	Yellow	Yellow -
Dover AFB	Yellow	Yellow	Yellow
Dyess AFB	Yellow	Yellow	Yellow
Ellsworth AFB	Green	Yellow	Green -
Fairchild AFB	Yellow	Red	Yellow -
Grand Forks AFB	Green	Yellow	Green -
Little Rock AFB	Red	Red	Red
Malmstrom AFB	Green	Red	Yellow
McConnell AFB	Yellow	Red	Yellow -
McGuire AFB	Green	Green	Green
Minot AFB	Green	Yellow	Green -
Offutt AFB	Green	Yellow	Green -
Scott AFB	Red	Yellow	Yellow -
Travis AFB	Yellow	Yellow	Yellow
Whiteman AFB	Green	Green	Green

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

VII.7 EDUCATION

Pupil Teacher Ratio *Four Year Programs* *Honors Programs* *College Attendance* *Off-base Education* *Education*

Base Name	VII.7.A	VII.7.B	VII.7.C	VII.7.D	VII.7.E	VII.7
Altus AFB	Green	Green	Green	Yellow	Green -	Green -
Barksdale AFB	Green	Green	Green	Green	Green	Green
Beale AFB	Yellow	Green	Green	Green	Green	Green
Charleston AFB	Yellow	Green	Green	Yellow	Green	Green -
Dover AFB	Yellow	Green	Green	Green	Green	Green
Dyess AFB	Green	Green	Green	Green	Green	Green
Ellsworth AFB	Green	Green	Green	Yellow	Green	Green
Fairchild AFB	Red	Green	Green	Green	Green	Green -
Grand Forks AFB	Green	Green	Green	Green	Green	Green
Little Rock AFB	Yellow	Green	Green	Yellow	Green	Green -
Malmstrom AFB	Yellow	Green	Green	Yellow	Green	Green -
McConnell AFB	Yellow	Green	Green	Green	Green	Green
McGuire AFB	Green	Green	Green	Yellow	Green	Green
Minot AFB	Yellow	Green	Red	Green	Green	Green -
Offutt AFB	Green	Green	Green	Green	Green	Green
Scott AFB	Yellow	Yellow	Green	Green	Green	Green -
Travis AFB	Yellow	Green	Green	Green	Green	Green
Whiteman AFB	Yellow	Green	Green	Green	Green	Green

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

VII.7.E OFF-BASE EDUCATION

*Vocational /
Tech
College*

*Undergraduate
College*

*Graduate
College*

*Off-Base
Education*

Base Name	VII.7.E.1	VII.7.E.2	VII.7.E.3	VII.7.E
Altus AFB	Green	Green	Red	Green -
Barksdale AFB	Green	Green	Green	Green
Beale AFB	Green	Green	Green	Green
Charleston AFB	Green	Green	Green	Green
Dover AFB	Green	Green	Green	Green
Dyess AFB	Green	Green	Green	Green
Ellsworth AFB	Green	Green	Green	Green
Fairchild AFB	Green	Green	Green	Green
Grand Forks AFB	Green	Green	Green	Green
Little Rock AFB	Green	Green	Green	Green
Malmstrom AFB	Green	Green	Green	Green
McConnell AFB	Green	Green	Green	Green
McGuire AFB	Green	Green	Green	Green
Minot AFB	Green	Green	Green	Green
Offutt AFB	Green	Green	Green	Green
Scott AFB	Green	Green	Green	Green
Travis AFB	Green	Green	Green	Green
Whiteman AFB	Green	Green	Green	Green

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

VII.9 LOCAL MEDICAL CARE

Physicians
Hospital Beds
Local Medical Care

Base Name	VII.9.A	VII.9.B	VII.9
Altus AFB	Red	Red	Red
Barksdale AFB	Green	Green	Green
Beale AFB	Green	Red	Yellow
Charleston AFB	Green	Green	Green
Dover AFB	Green	Green	Green
Dyess AFB	Red	Green	Yellow
Ellsworth AFB	Green	Green	Green
Fairchild AFB	Green	Red	Yellow
Grand Forks AFB	Red	Green	Yellow
Little Rock AFB	Red	Green	Yellow
Malmstrom AFB	Green	Green	Green
McConnell AFB	Green	Green	Green
McGuire AFB	Red	Red	Red
Minot AFB	Red	Green	Yellow
Offutt AFB	Green	Green	Green
Scott AFB	Red	Green	Yellow
Travis AFB	Red	Red	Red
Whiteman AFB	Red	Red	Red

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OPERATIONS - LARGE AIRCRAFT and MISSILES Subcategories

VIII ENVIRONMENTAL IMPACT

Base Name	<i>Water</i>	<i>Asbestos</i>	<i>Biological</i>	<i>Cultural</i>	<i>Installation Restoration Program</i>	<i>Overall</i>
Base Name	VIII.1	VIII.2	VIII.3	VIII.4	VIII.5	VIII
Altus AFB	Green	Red	Green -	Yellow	Yellow	Green -
Barksdale AFB	Green	Yellow	Red +	Yellow	Red	Yellow
Beale AFB	Green	Red	Yellow	Yellow	Yellow	Yellow +
Charleston AFB	Green	Red	Yellow +	Green	Red	Yellow +
Dover AFB	Red	Red	Yellow	Yellow	Red	Red +
Dyess AFB	Green	Yellow	Green -	Green	Red	Green -
Ellsworth AFB	Yellow	Yellow	Yellow +	Yellow	Red	Yellow
Fairchild AFB	Green	Red	Yellow +	Green	Red	Yellow +
Grand Forks AFB	Green	Red	Yellow +	Green	Red	Yellow +
Little Rock AFB	Green	Green	Yellow	Green	Red	Yellow +
Malmstrom AFB	Green	Red	Green	Green	Red	Green -
McConnell AFB	Green	Yellow	Yellow +	Yellow	Red	Yellow +
McGuire AFB	Green	Red	Yellow -	Red	Yellow	Yellow
Minot AFB	Green	Green	Green -	Green	Yellow	Green -
Offutt AFB	Green	Red	Yellow +	Yellow	Yellow	Yellow +
Scott AFB	Green	Yellow	Yellow +	Yellow	Red	Yellow +
Travis AFB	Yellow	Yellow	Yellow	Yellow	Red	Yellow
Whiteman AFB	Green	Green	Yellow +	Green	Red	Green -

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VIII.3 BIOLOGICAL

Base Name	<i>Habitat</i>	<i>Threatened and Endangered Species</i>	<i>Wetlands</i>	<i>Floodplains</i>	<i>Biological</i>
	VIII.3.A	VIII.3.B	VIII.3.C	VIII.3.D	VIII.3
Altus AFB	Green	Green	Green	Red	Green -
Barksdale AFB	Yellow	Yellow	Red	Red	Red +
Beale AFB	Yellow	Yellow	Yellow	Yellow	Yellow
Charleston AFB	Green	Green	Yellow	Yellow	Yellow +
Dover AFB	Yellow	Yellow	Yellow	Yellow	Yellow
Dyess AFB	Green	Green	Green	Yellow	Green -
Ellsworth AFB	Green	Yellow	Yellow	Green	Yellow +
Fairchild AFB	Green	Yellow	Yellow	Green	Yellow +
Grand Forks AFB	Yellow	Green	Yellow	Yellow	Yellow +
Little Rock AFB	Green	Green	Red	Yellow	Yellow
Malmstrom AFB	Green	Green	Green	Green	Green
McConnell AFB	Green	Green	Yellow	Yellow	Yellow +
McGuire AFB	Yellow	Red	Yellow	Yellow	Yellow -
Minot AFB	Green	Green	Yellow	Green	Green -
Offutt AFB	Yellow	Green	Yellow	Yellow	Yellow +
Scott AFB	Yellow	Green	Yellow	Yellow	Yellow +
Travis AFB	Yellow	Yellow	Yellow	Yellow	Yellow
Whiteman AFB	Yellow	Yellow	Yellow	Green	Yellow +

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ANALYSIS RESULTS at TIERING (3 Nov)

The following grades and data reflect the information on which the BCEG members based their tiering determination. Information in this chart was updated as the result of a number of factors between initial tiering and final recommendations.

Base Name	<i>Mission (Flying) Requirements</i>	<i>Mission (Missile) Requirements</i>	<i>Facilities and Infrastructure</i>	<i>Contingency and Mobility</i>	<i>Costs and Manpower Implications</i>	<i>Return on Investment</i>	<i>Economic Impact</i>	<i>Community</i>	<i>Environmental Impact</i>
	I.1	I.2	II	III	IV	V	VI	VII	VIII
Altus AFB	Green	No Grade	Green -	Green -	433/ 18	20	4,392 (43.9%)	Yellow	Green -
Barksdale AFB	Green -	No Grade	Green -	Green -	221/-378	5	9,963 (7.0%)	Green -	Yellow
Beale AFB	Green	No Grade	Yellow +	Green -	199/-567	3	4,795 (10.0%)	Yellow	Yellow +
Charleston AFB	Green -	No Grade	Yellow +	Green -	423/-100	14	34,210 (14.9%)*	Yellow +	Yellow +
Dover AFB	Green	No Grade	Yellow	Green -	322/-314	8	8,215 (13.1%)	Green -	Red +
Dyess AFB	Green -	No Grade	Green -	Green -	132/-443	3	6,983 (12.7%)	Green -	Green -
Ellsworth AFB	Yellow +	No Grade	Green	Green -	41/-849	1	6,427 (12.6%)	Green -	Yellow
Fairchild AFB	Green -	No Grade	Green -	Green -	300/-306	8	7,850 (4.5%)	Yellow +	Yellow +
Grand Forks AFB	Yellow +	Red	Green -	Yellow +	129/-731	2	7,054 (16.7%)	Yellow +	Yellow +
Little Rock AFB	Green -	No Grade	Green -	Green -	328/-347	8	7,798 (2.9%)	Yellow +	Yellow +
Malmstrom AFB	Green -	Green	Green -	Yellow	32/-797	1	6,722 (19.4%)	Yellow +	Green -
McConnell AFB	Green -	No Grade	Green -	Green -	224/-347	6	5,760 (2.3%)	Green -	Yellow +
McGuire AFB	Green	No Grade	Yellow +	Green -	624/-386	10	32,627 (1.4%)*	Yellow +	Yellow
Minot AFB	Green -	Yellow	Green -	Yellow +	59/-801	1	7,320 (29.7%)	Green -	Green -
Offutt AFB	Yellow +	No Grade	Green	Yellow +	515/-151	13	16,085 (4.8%)	Green -	Yellow +
Scott AFB	Yellow	No Grade	Yellow +	Yellow	240/-528	5	16,245 (1.4%)	Yellow +	Yellow +
Travis AFB	Green	No Grade	Yellow	Green -	846/-207	14	31,570 (14.8%)*	Yellow +	Yellow
Whiteman AFB	Green -	No Grade	Green -	Yellow +	326/-383	7	4,551 (12.3%)	Yellow +	Green -

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TIERING OF BASES

As an intermediate step in the Air Force Process, the BCEG members established the following tiering of bases based on the relative merit of bases within the subcategory as measured using the eight selection criteria. Tier I represents the highest relative merit,

TIER I

Altus AFB
Barksdale AFB
Charleston AFB
Dover AFB
Dyess AFB
Fairchild AFB
Little Rock AFB
McConnell AFB
Travis AFB
Whiteman AFB

TIER II

Beale AFB
Malmstrom AFB
McGuire AFB
Minot AFB
Offutt AFB

TIER III

Ellsworth AFB
Grand Forks AFB
Scott AFB

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