



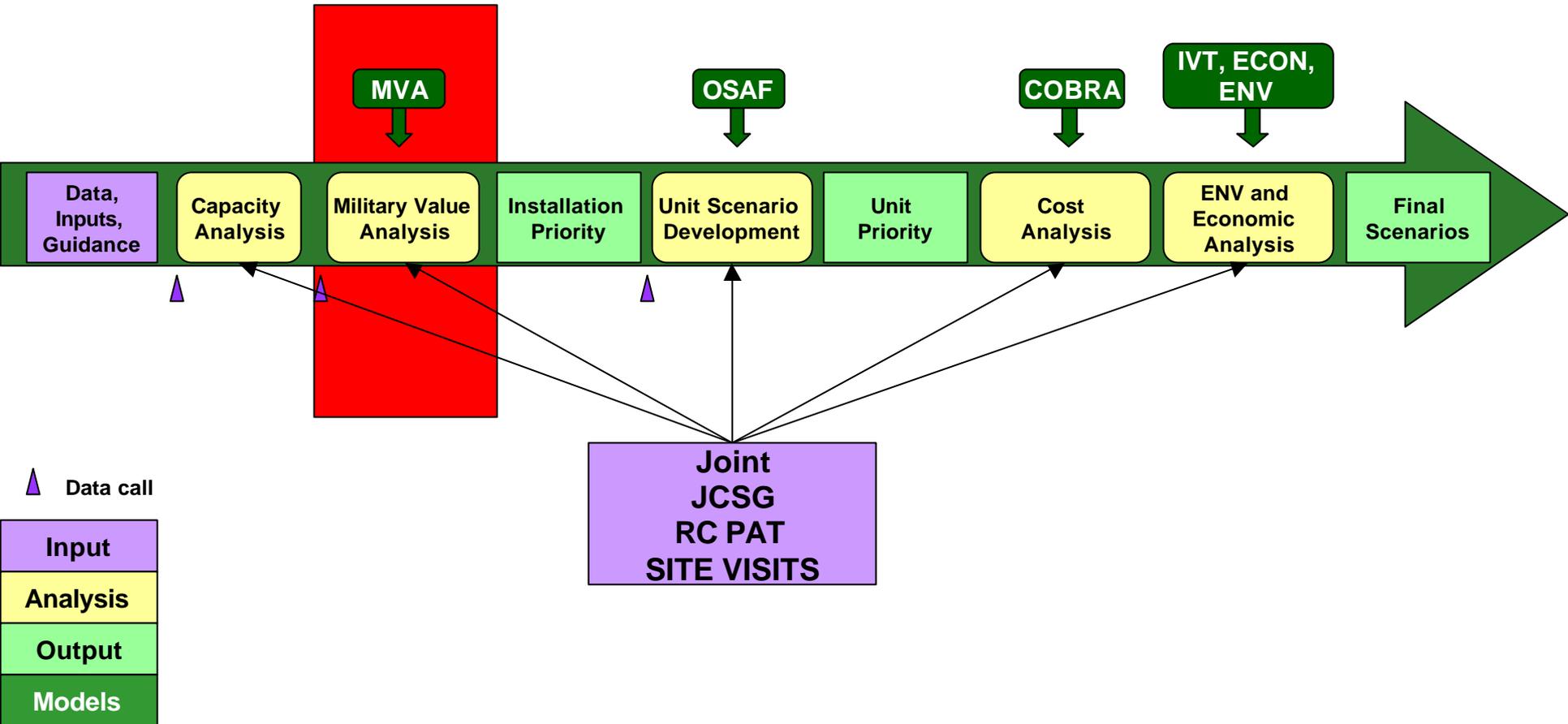
2005 TABS Installation Military Value Analyzer (MVA)



The Army Basing Study Group Plan



Preparation → Analysis → Support





Definition of Military Value



(INTERIM 2005 DoD SELECTION CRITERIA)

1. The current and future mission requirements and the impact on operational **readiness** of the Department of Defense's total force, including impacts on **joint war fighting, training, and readiness**.
2. 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.
3. The ability to accommodate **contingency, mobilization, and future** requirements at both existing and potential receiving locations to support operations and training.
4. The **cost and manpower** implications.



What do you do with MVA?

Notional

Ranking

Overall	Portfolio	Train
1		1
2		2
..		3
..		4
.. Carson	..	5
..	Carson	6
..	..	Carson
..	..	
100	100	

Major units at Carson

1. What Transformational concept am I trying to support?
2. What are the installations I can use?
3. What are the low value installations?
4. Is this installation in the Portfolio?
5. Excess capacity?
6. Major units?
7. Support relationships?
8. RC, Joint, JCSG, Tenants, and relationships amongst these units?
9. + OSAF and team discussions



What can you expect?

- MVA development (now-October 03)
 - Develop attributes in your areas.
 - Develop attribute metrics in your areas.
- MVA training in February 04 (?)
- Results and a library of portfolios in Mar-Apr 04 (depending on data call)

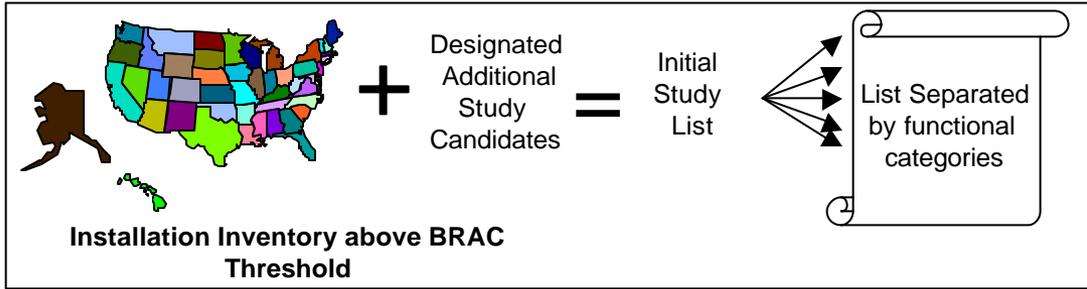


BRAC95 MV



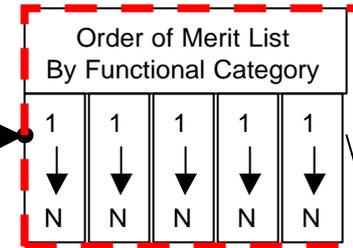
BRAC 95 MV/Installation Assessment

Identify Initial Installation List & categorize by function

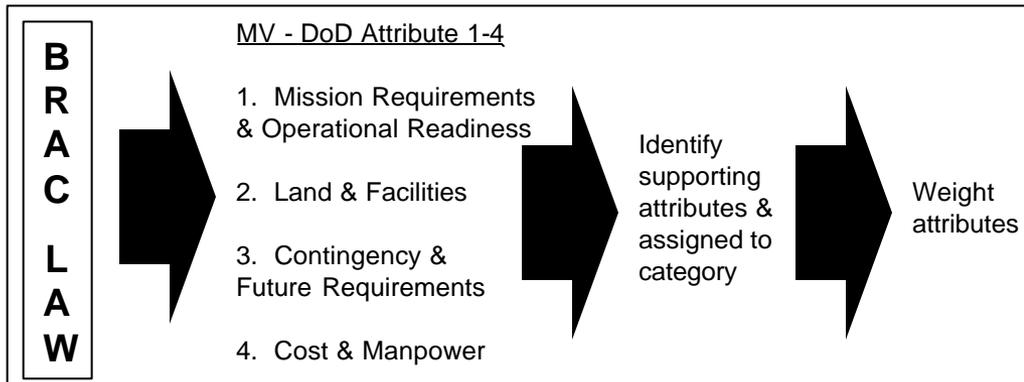


BRAC 2005 – no categories; rank installations 1 to N

Data Collection



Develop the Assessment Model





BRAC 95 Example Attributes



	B	C	D	E	G
	Assessment Criteria	Definition	Purpose	Methodology	Equation
2					
16	14. Deployment Network	Distance in miles to critical deployment structures/facilities	Evaluates installation's ability to support deployments of land forces outside the US.	Measures distance to nearest interstate, C-141/747 airport, railhead & ocean vessel capable port	Assessed with DPAD submodel using weights of 30 points for rail, airport & seaport and 10 points for interstate
17	15. Encroachment	Population density around installation	Encroachment measured is a function of population per square mile	Weighted average of pop. Density of the Region of Influence IAW DoD BRAC Economic Impact Model.	
26	24. Impact Acres	Measure size and capability of land used for range impact area	Indicates the post's capacity to conduct weapons and crew qualifications and live fire	Evaluated using DPAD sub-model ranking each post on: # of impact acres, JAAT & MLRS firing capability	# impact acres (60 pts); USAF bomb capable (5 pts); Atk Helo capable(5 pts); MLRS capable (10 pts). Total Pts=100
33	31. Maneuver Acres	Total acreage available for maneuver and training.	Measure overall land size available for maneuver and field training	Sum total maneuver acreage in HQARPLANS (FCG 17986) Man.rights acres valued at 1/2	Army-owned acres + 1/2 x maneuver rights acres. Excludes impact, cantonement, off-limits, & environmentally sensitive areas and ranges.
41	39. OPS/Admin Facilities	Total permanent SF used for OPS/Admin	Measure capacity to house OPS/Admin activities	Sum of SF in FGCs: 14112, 14110, 14182, 14183, 14185, 61050 + MILCON	

Example Cont.



57 Criteria

13 installation types

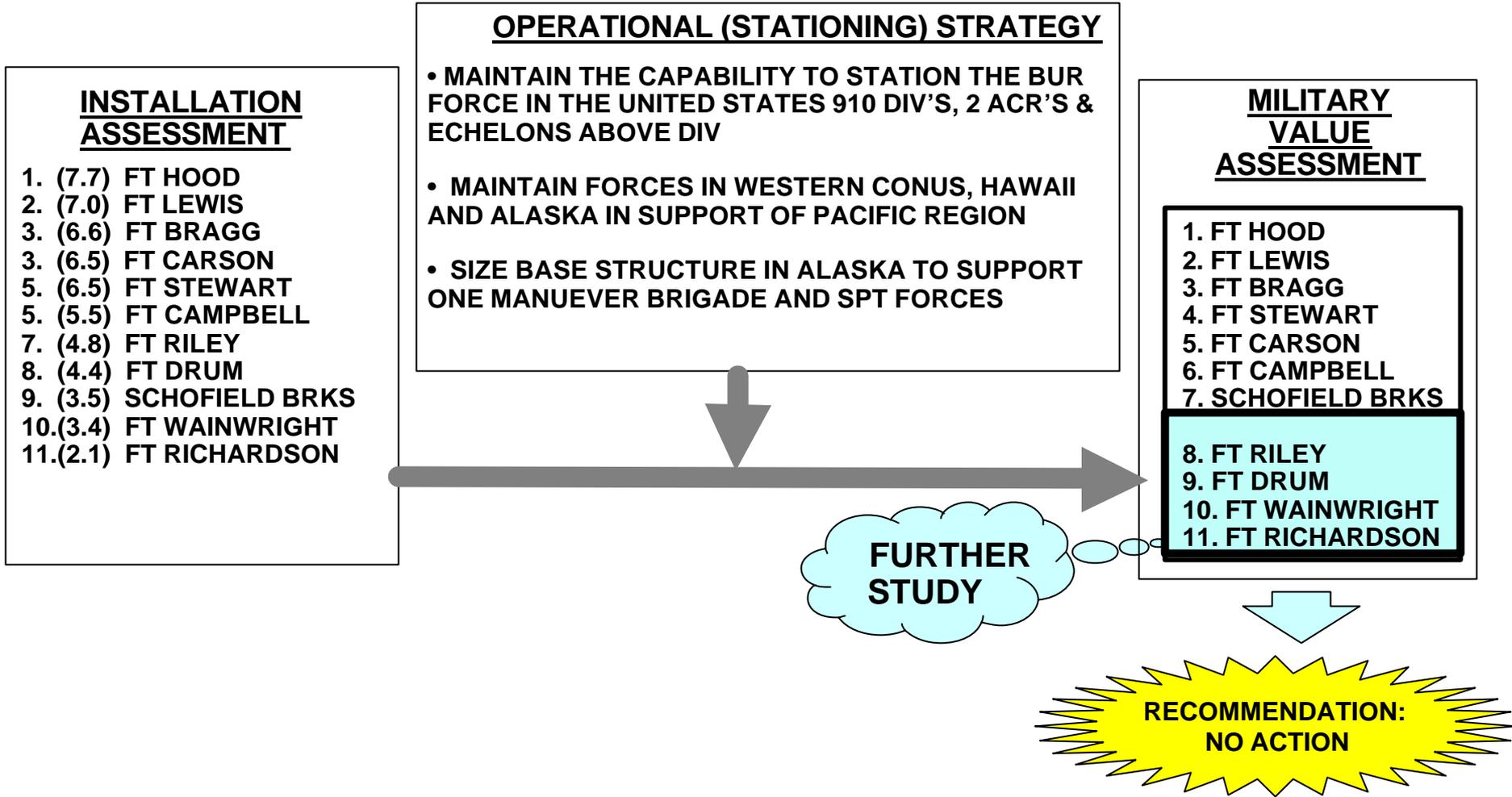
6 Functions

	B	I	J	N	O	V	W	X	Y	Z	AA	AB
	Assessment Criteria	Maneuver	Major Training Area	Ammo Storage	Ammo Production	# Times Criteria Used	Train	Project Power	Logistics	Well-Being	Affordability	Future
2												
16	14. Deployment Network	60	30	80	50	8		X				
17	15. Encroachment	25	20	30	15	11	X					
26	24. Impact Acres	70	70			3	X					
33	31. Maneuver Acres	80	120			3	X					
41	39. OPS/Admin Facilities					2		X				
62	DoD Criteria 1-	BRAC 95 BRAC 05										
63	DoD Criteria 2-Land&Facilities											
64	DoD Criteria 3-Contingency, Mobilization&Fut											
65	DoD Criteria 4-Cost&Manpower											

Transforming Through Base Realignment and Closure



BRAC95 Maneuver Assessment





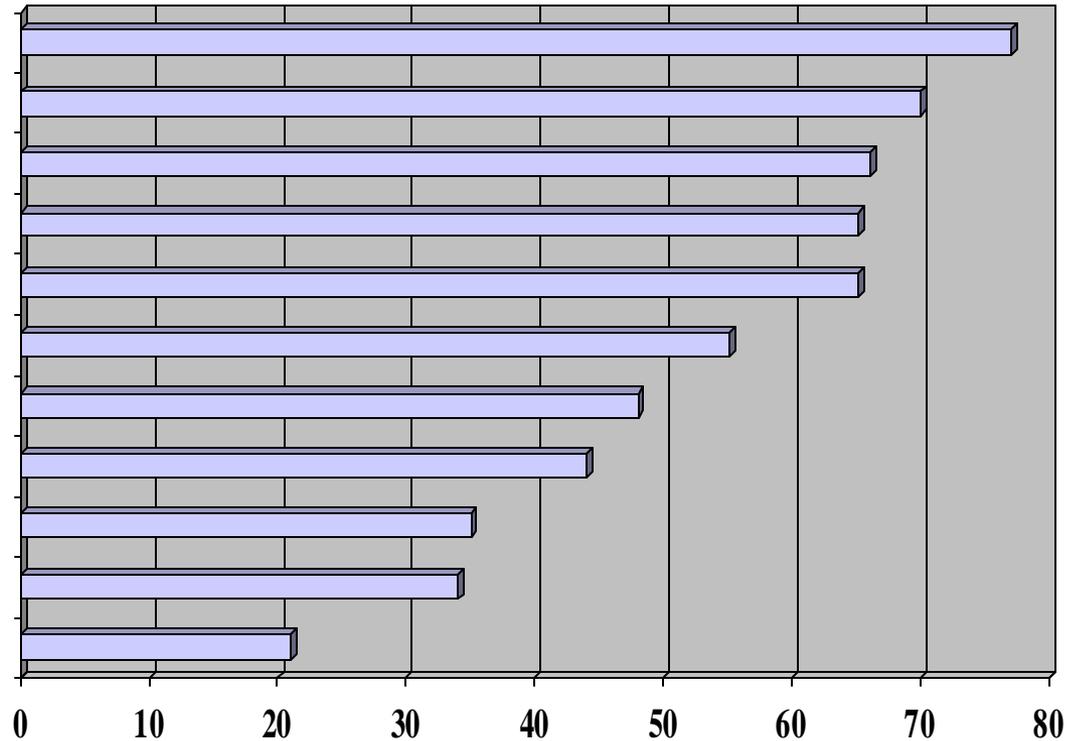
Maneuver installations

MV Rankings

BRAC 95 Results

1991 1993 1995* 2005

1991	1993	1995*	2005	Installation
1	1	1	?	Fort Hood
2	3	2		Fort Lewis
3	2	3		Fort Bragg
5	5	4		Fort Carson
4	4	5		Fort Stewart
5	6	6		Fort Campbell
7	8	7		Fort Riley
11	9	8		Fort Drum
12	10	9		Schofield Brks
9	7	10		Fort Wainwright
13	11	11		Fort Richardson



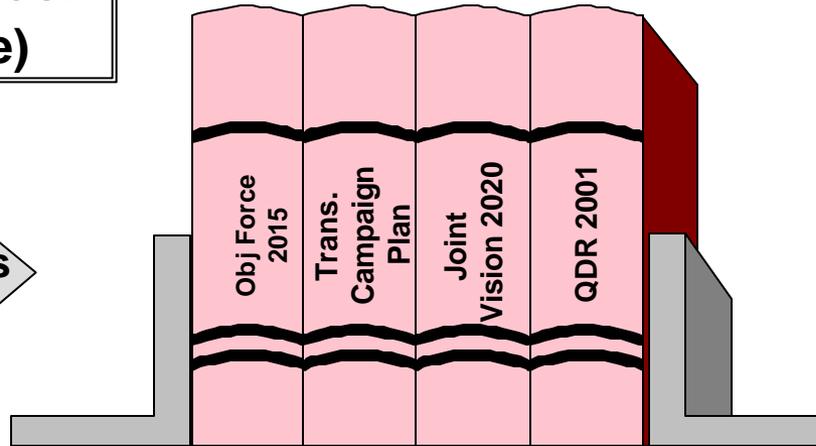
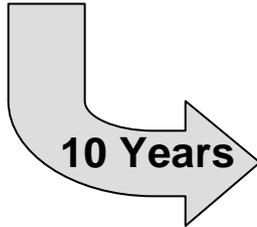
Changes in ranking using 1995 as a base year

Installation Military Value Score

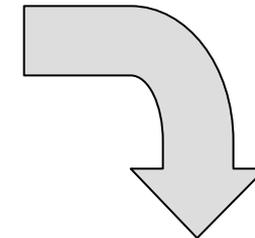


Transformed MVA

**BRAC 95
Installation
Assessment Model
(Military Value)**

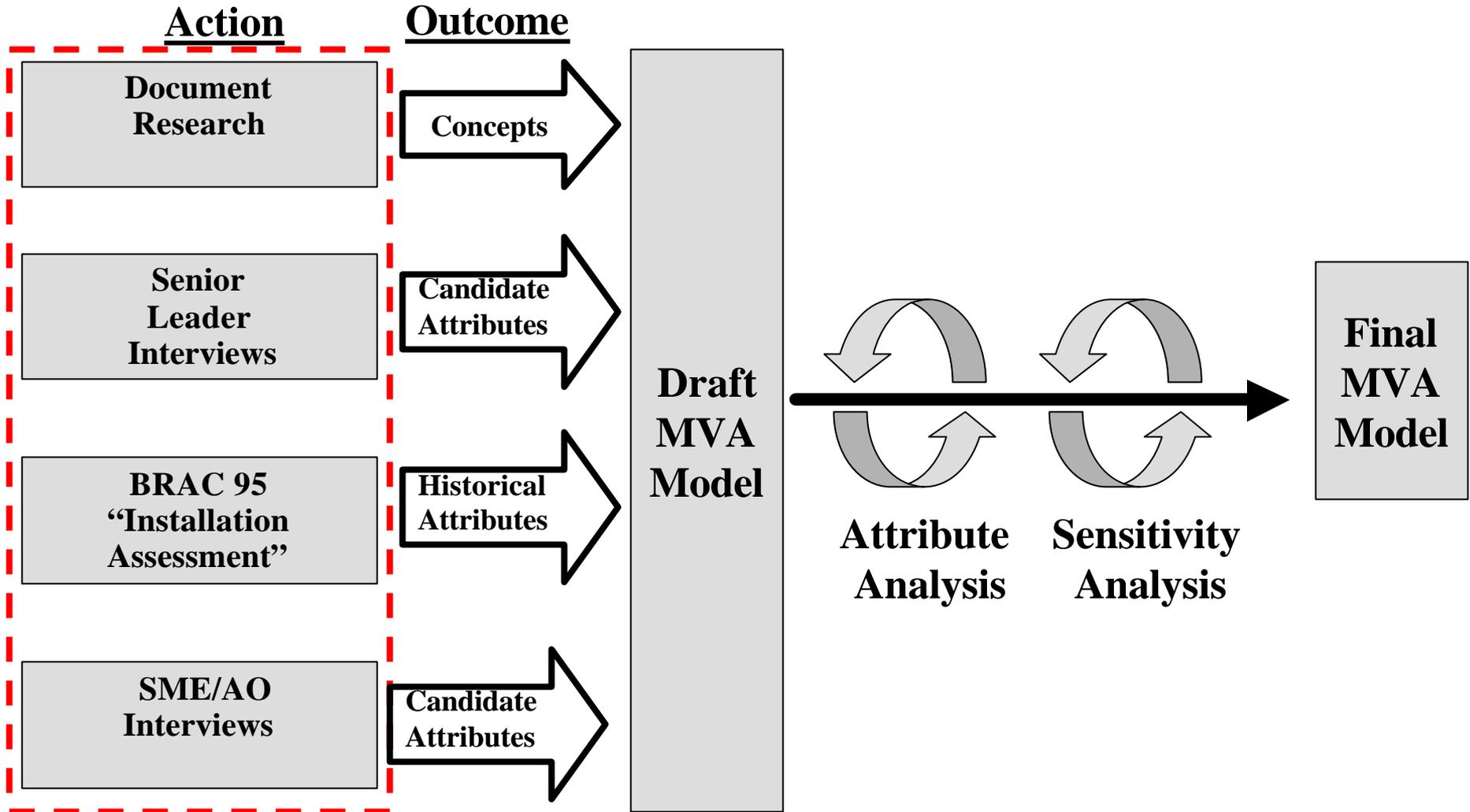


Transformation Requirements





MVA Attribute Development





Attribute Characteristics

- Support Transformational concepts
- Support imperatives
- Today through 2025
- Distinguishable between installations
- Measurable
- Data from a credible source



Several Sources – An Example

Deployability

Air

Runway Length (9-10K ft Min)

MOG (9 reqd)

Hot Pads (3 reqd)

Rail

Railcars/day (300/day)

Loading Tracks

Marshalling Area

Sea

Transit Time to Sea Port (<24 hr)

Port Throughput Capability (10K ST)

Operational Effectiveness

Operational Risk

Force Structure Implications

Training (Lethality)

Force on Force

Digital Ranges

(DMPRC - Tbl XII / DMPTR - Tbl VIII)

Combined Arms MOUT Task Force

(CAMTF)

Battle Command Training Center (BCTC)

Army Air Command and Control (A2C2)

Fixed Tactical Internet (FTI)

Environmental and Encroachment

Sustainability/Facilities

Barracks / Housing

Admin Facilities / I3

Maintenance Facilities

Storage Facilities

CL III and CLV Storage

Dining Facilities

Quality of Life

Air Field Requirements

Affordability (Costs)

MCA

Training Facilities

Installation Info Infrastructure
(I3)

Environmental

OMA Revitalization

Deployability

Yearly Costs*

20 year Cost (Net Present
Value)**

***Yearly Costs** = Estimated yearly cost to support one soldier at each installation. Includes the cost for each soldier per year (Medical + Housing + Base Operation Support costs).

****20 Year Cost (NPV)** = The cumulative present worth of the one time implementation Cost + 20 years of yearly cost discounted to handle the time value of money.

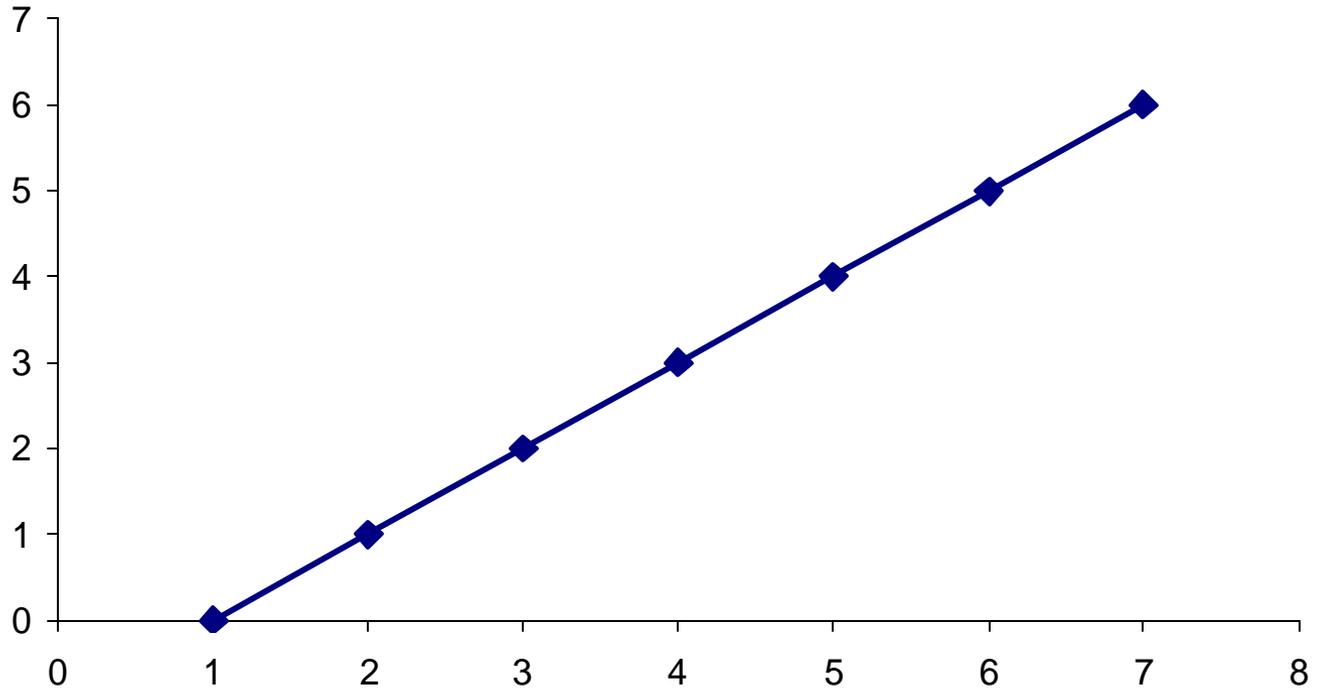


Force on Force

G8 FOF Value Function

Score

7	UA+	6
6	UA	5
5	UA-	4
4	BN+	3
3	BN	2
2	BN-	1
1	less	0



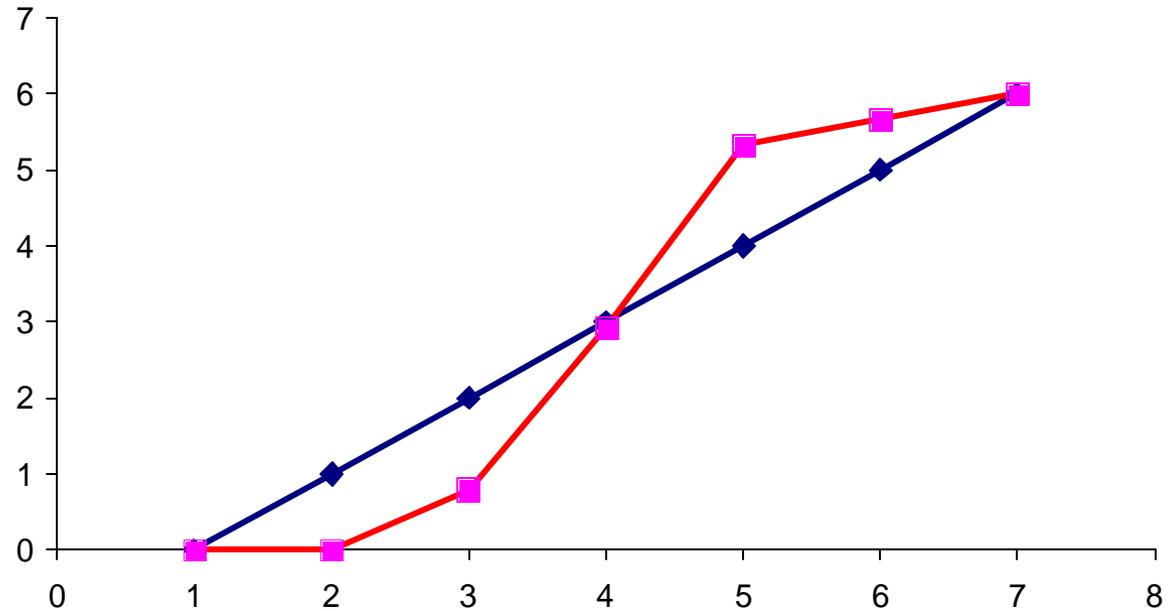


Force on Force

Notional FOF Value Function

Score **New Score**

7	UA+	6	6
6	UA	5	5.66
5	UA-	4	5.32
4	BN+	3	2.93
3	BN	2	0.8
2	BN-	1	0
1	less	0	0



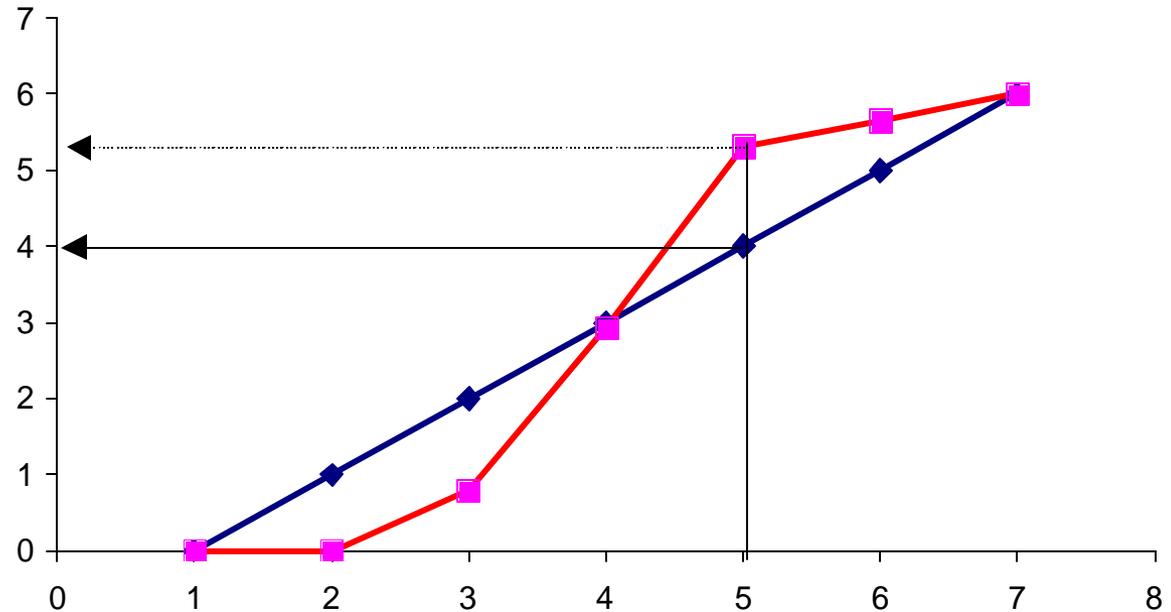
Force on Force



Notional FOF Value Function

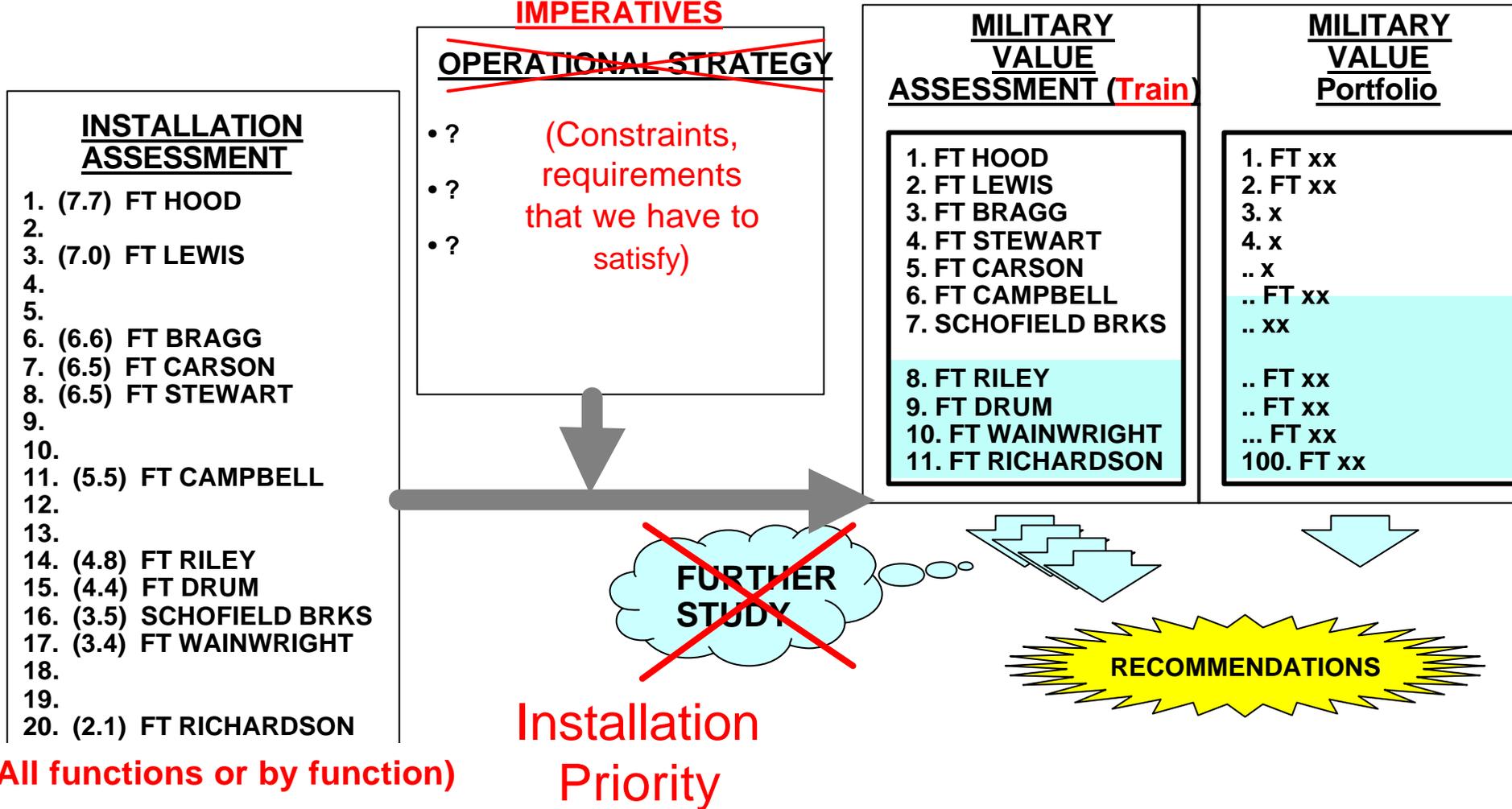
Score **New Score**

7	UA+	6	6
6	UA	5	5.66
5	UA-	4	5.32
4	BN+	3	2.93
3	BN	2	0.8
2	BN-	1	0
1	less	0	0





BRAC05 Example





Draft 2005 MVA



Source Documents for MVA



Examined documents for key concepts to include within MVA

References*

- Title X
- BRAC Law
- DoD BRAC Criteria
- JCSG Criteria 22 April 2003
- Joint Vision 2020
- DoD Transformation Planning Guidance
- The Army Plan 2005-2020
- Objective Force in 2015
- Objective Force White Paper
- Army Stationing Strategy 2003
- G-8 U/A U/E Stationing Analysis
- ACSIM Installation Functions
- BRAC 95 Categories
- **Interviews**

*not all inclusive

MVA Interviews



Senior Leaders

- DUSA-OR (Mr. Hollis)
- ASA-ALT (Mr. Bolton)
- ASA-FMC (Mrs. Pack)
- LTG Sinn (MG Hartsell)
- ASA-M&RA (Mr. Brown)
- G-1 (Mr. Lewis)
- G-3 (LTG Cody)
- TR (Mr. Gunlicks)
- FM (BG Ralston)
- G-4 (LTG Mahan)
- G-6 (LTG CuvIELlo)
- MG Scott (Ms. Armstrong)
- G-8 (LTG Griffin)
- OCAR (LTG Helmly)
- MEDCOM (LTG Peake)
- ATEC (MG Armbruster)
- PA&E (MG Melcher)
- ACSIM (MG Lust, Ms. Menig)
- IMA (Mr. Sakowitz)

- OUTF (LTG Riggs)
- IMA (MG Aadland)
- ASA-M&RA (Mr. Denning)
- FORSCOM (GEN Ellis)
- TRADOC (GEN Byrnes)
- AMC (GEN Kern)
- G-2 (LTG Alexander)
- DAS (LTG Lovelace)
- USASOC (LTG Kensinger)
- NGB (LTG Schultz)
- CAA (Mr. Vandiver)
- MTMC (MG Dunwoody)
- G8-FD (MG Grazioplane)
- DASA(ESOH) Mr. Fatz
- GAO (Mr. Holman)
- ACSIM (Mr. Nerger)

AO/SME

- G-1, Well Being
- G-3, Stationing
- G-3, Training
- G-3, Transformation
- G-4, Resource Management
- G-4, Transformation
- G-4, Force Protection
- G-4, Maintenance
- G-6, Info. Infrastructure Modernization Div.
- G-8, PA&E
- IMA
- OUTF
- ACSIM, Transformation
- Army JCSG Reps
- FORSCOM, Mobilization & Deployment
- ASA(FM)
- Homeland Defense

Transforming Through Base Realignment and Closure

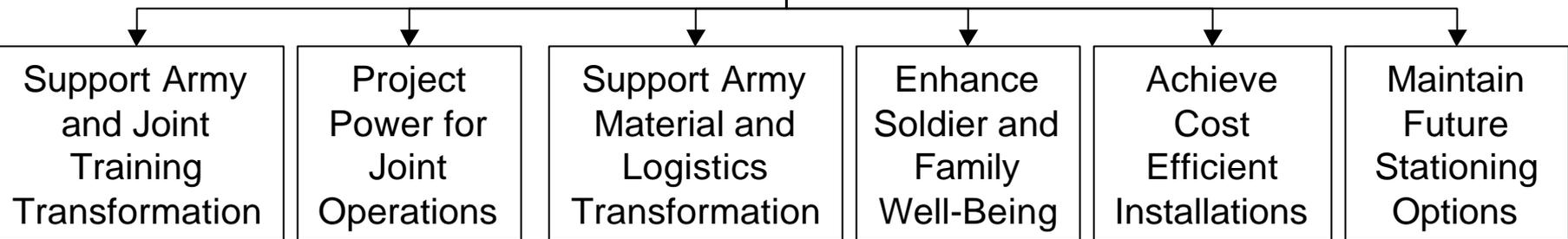
Completed Scheduled Working



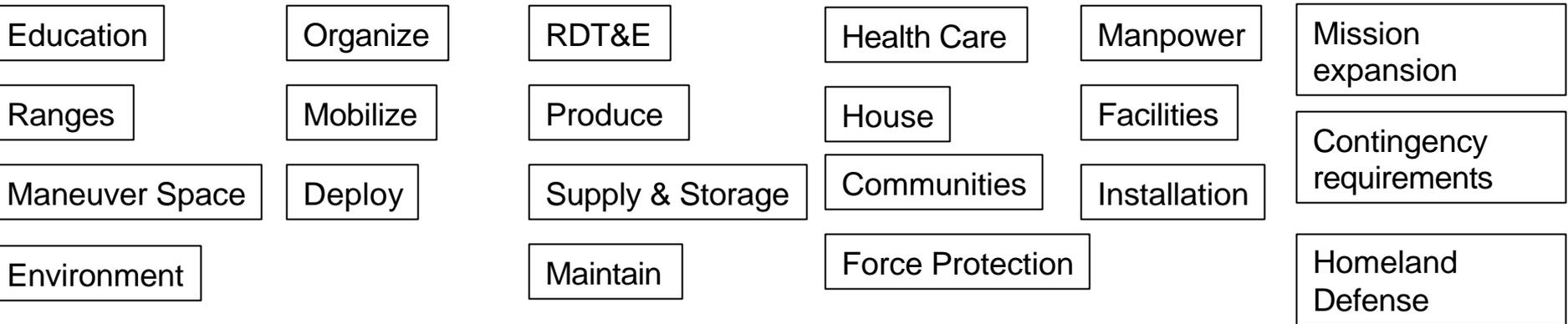
Initial MVA Model

Determine Military Value of Army Installation

Functions

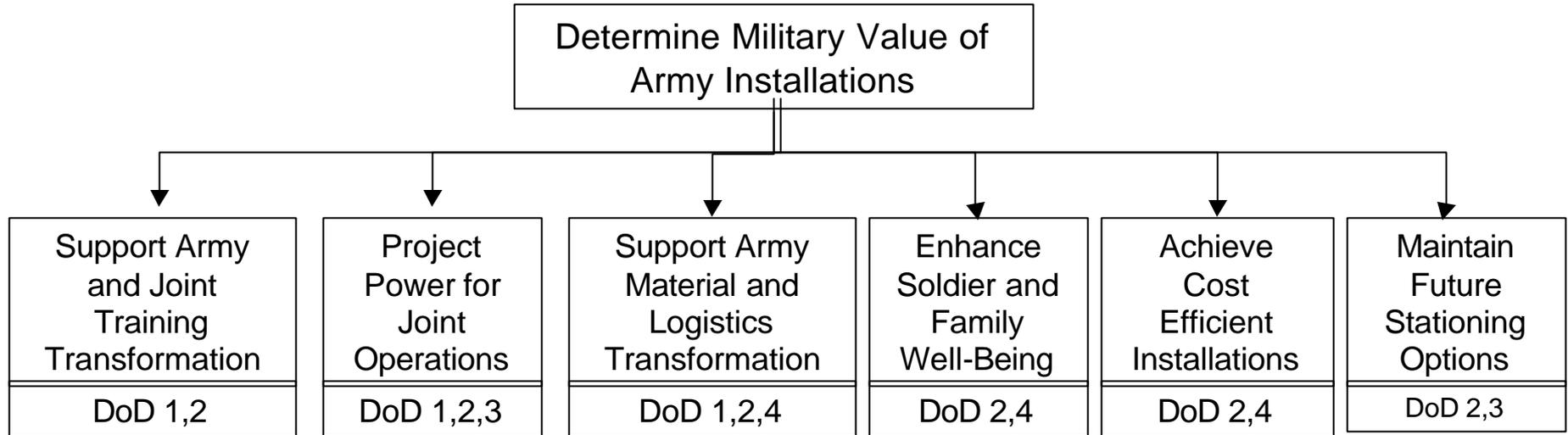


Sub-functions





MVA Functions-DoD Criteria Map



DoD Selection Criteria 1-4 (Military Value)

1. The current and future mission requirements and the impact on operational readiness of the Department of Defense's total force, including impacts on joint war fighting, training, and readiness.
2. 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.
3. The ability to accommodate contingency, mobilization, and future total force requirements at both existing and potential receiving locations to support operations and training.
4. The cost and manpower implications.



Example: Train Function

Support Army and Joint Training Transformation

Maneuver Space

Light
Heavy
FOF
RC mission
A2C2
FTI

Environment

(Environmental Program)

Compliance
Pollution Prevention
Conservation
Restoration

Encroachment

Restrictions
Noise
Airspace
End. Species
Contaminated Sites
Historical
Wetlands
(Bandwidth)
(Urbanization)

Education

Facilities

Applied Inst. Facs.
General Inst. Facs.

(Simulation)

BCTC

IT

(Networking)

Ranges

Mout
Airspace
Water*
Impact Area
DMPRC
DMPTR
Airfield requirements
(Directed Energy)
(Other ranges)
Joint
(Over-the-shore)
(Bombing)
Special Airspace

*Other water
except over-the-
shore



Status

Train	Maneuver/Ranges	Environment
	Inst. Training	
Project Power	Mobilization	Deploy
	Organize	
Logistics	Production	Supply
	Maintain	Testing
Well Being	Inside the gate	Force Protection
	Outside the gate	
Affordability	Manpower	Facilities
	Installation	
Future Options	Expandability	Homeland Defense

Current, NOT projected, status

