



DCN: 10270



Cost of Base Realignment Actions (COBRA)

20 August 2003

Transforming Through Base Realignment and Closure



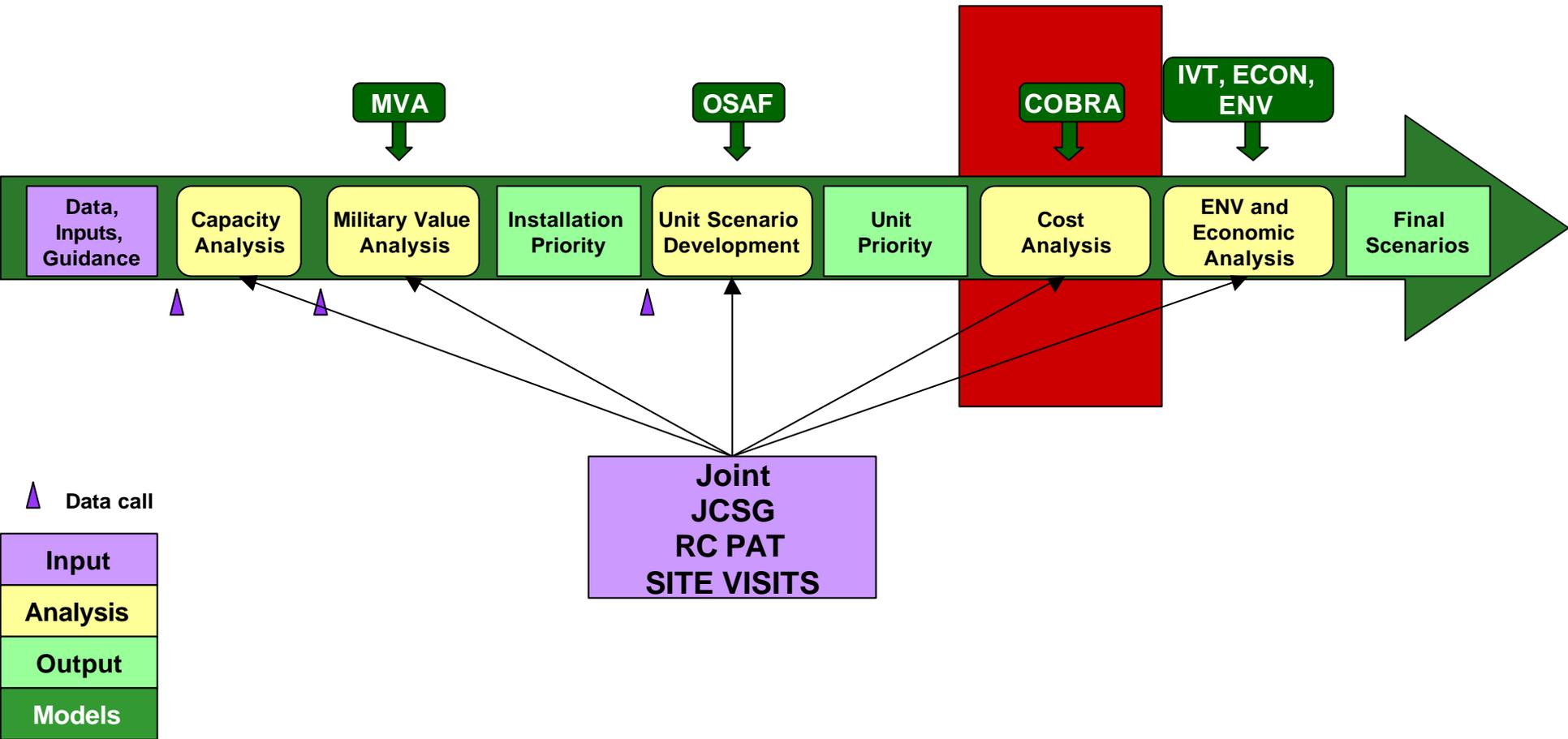
Introduction

- Purpose: Provide a detailed description of the COBRA model
- Agenda
 - Model background
 - What COBRA does
 - COBRA
 - Evolution
 - Data
 - Calculations
 - Output
 - JPAT
 - Analyst



The Army Basing Study Group Plan

Preparation → Analysis → Support



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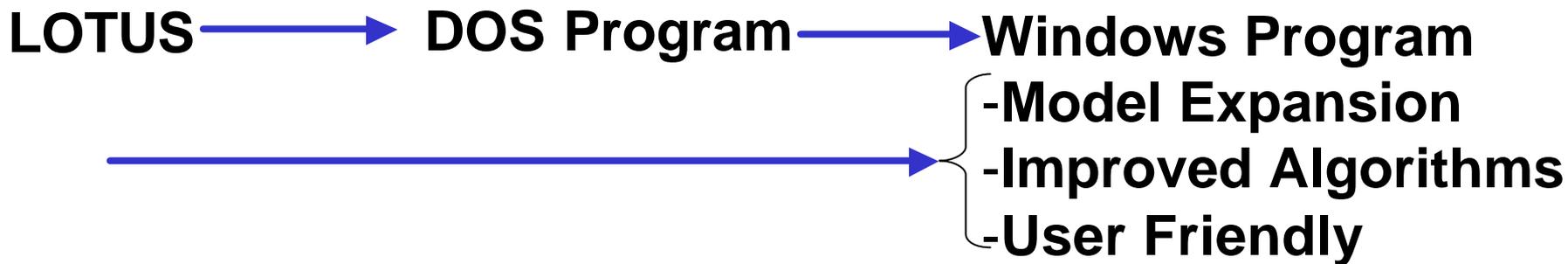
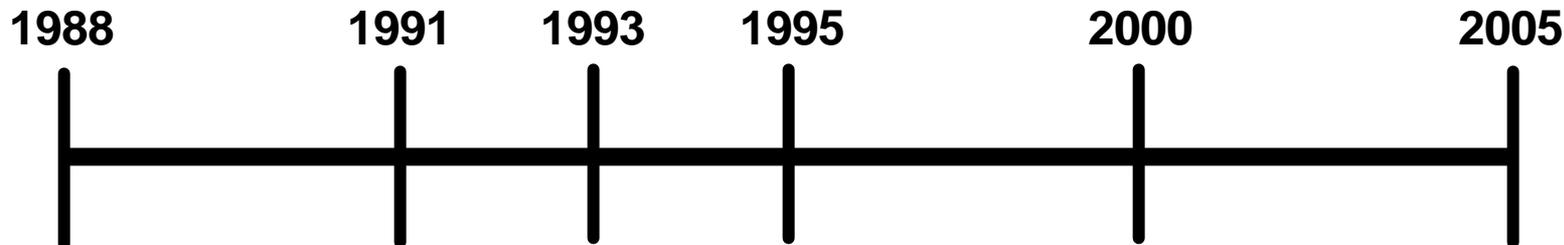


The Current COBRA Model

- Requirements
 - Calculate scenario return on investment and net present value
 - Use data “readily” available to the Service
 - Complies with past BRAC law
- Capabilities
 - Calculates scenario costs and savings over 20 years
 - Comparative, macro-level tool, not an optimizing tool
 - Models all actions in up to 6 years and assumes steady state thru 20 years
 - Estimates costs and savings of stationing actions
 - A tool for all DoD
 - Combine scenarios

TRAINING PURPOSES ONLY

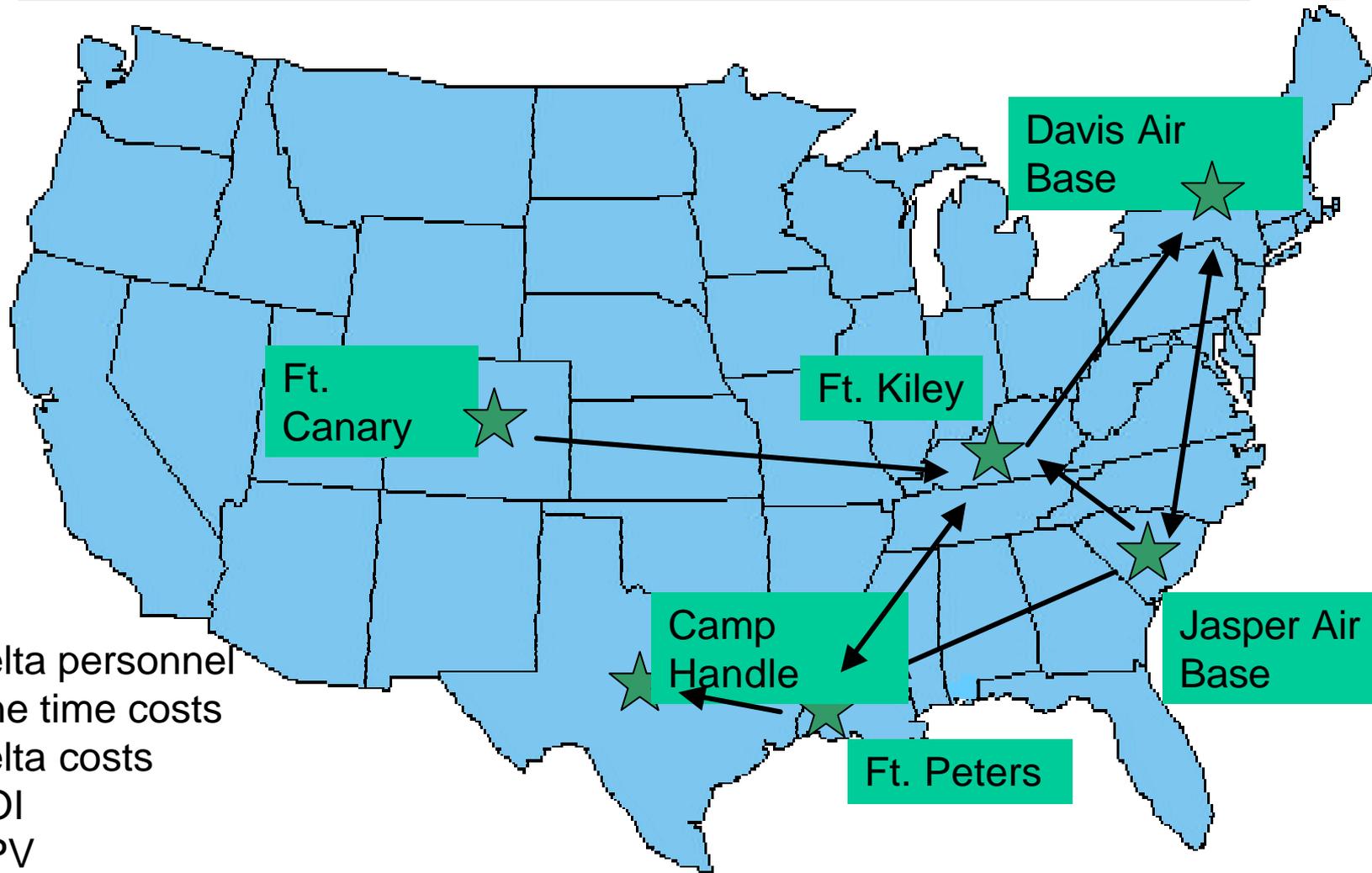
COBRA Evolution





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COBRA Can model combinations of single base to base or multiple base to base moves in a scenario



Outputs

- Delta personnel
- One time costs
- Delta costs
- ROI
- NPV

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COBRA Data



- Static installation data - starting position (“baseline”)
 - Population
 - Operating Costs
 - Demographics
 - Installation specific cost factors
- Dynamic scenario data
 - Personnel moved/eliminated/added
 - Equipment moved
 - Scheduling of moves/eliminations
 - Identified unique costs and savings
 - Construction/rehabilitation requirements
- Standard Factors
 - Demographics
 - Financial cost data
 - Pay and allowances
 - Civilian, transportation, and construction costing factors
 - Relocation program factors

Calculation Capabilities



- Status quo costs
 - Personnel costs (e.g. salaries, housing allowances)
 - Overhead (e.g. base operations support (BOS), admin support)
- Implementation costs
 - Construction (e.g. new facilities, renovation)
 - PCS costs (e.g. travel, homeowners assistance program)
 - Transportation (e.g. freight, vehicles, equipment)
 - Personnel (e.g. severance, unemployment, hiring)
- Steady state costs
 - Personnel costs (e.g. salaries, housing allowances)
 - Overhead (e.g. BOS, admin support)

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Output Reports

COBRA produces a variety of reports that document scenario analyses.

Realignment Summary

Net Present Values

Appropriations Detail

One-Time Cost

Sustainment, restoration,
modernization
(SRM)/BOS change

BOS, Land, square foot,
and SRM Deltas

Military Construction Assets

Personnel Impact

Personnel Summary

Input Data

Scenario Error

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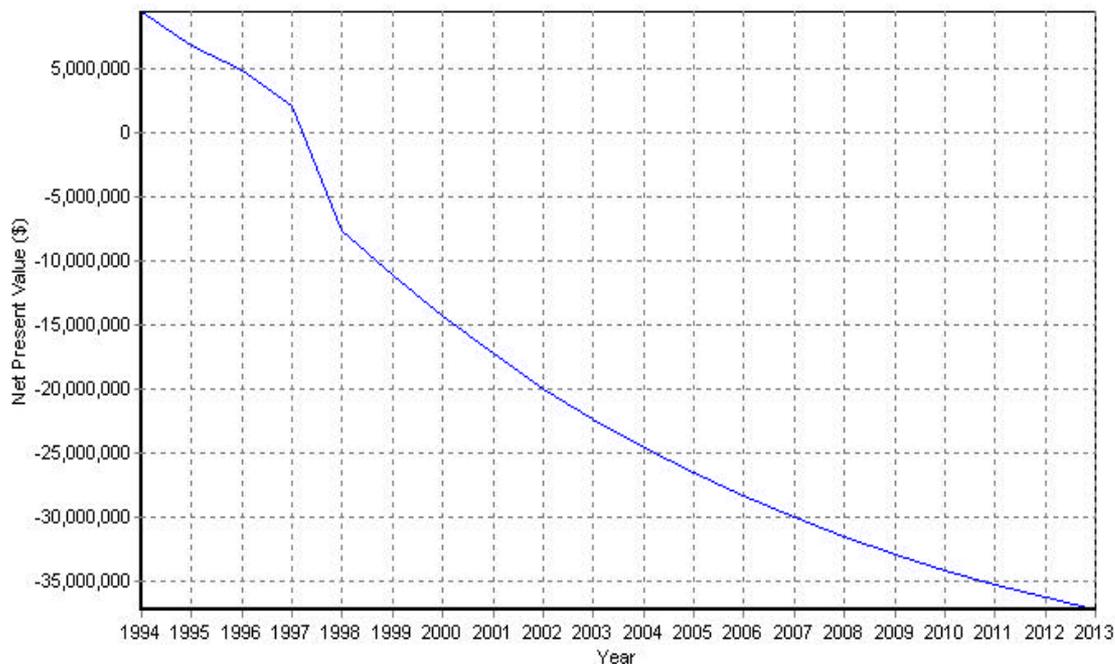
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Output Graphics



Graphs are available to illustrate key analyses.

NET PRESENT VALUES CHART (COBRA v5.12)
Data As Of 08:53 06/09/1992, Chart Created 02/13/2002 09:10:35



Department: US Army
Option Package: First MultiBase Test
Scenario File: C:\COBRA\MULTI.CBR
Std Fctrs File: StdFctrs.SFF

Transforming Through Base Realignment and Closure

What are we improving?



- OSD guidance
 - COBRA will be upgraded and loaded with revised standard cost assumptions.
 - The Department of the Army will be the lead Service for this effort.
- COBRA JPAT
 - Special sessions meet on Wednesday, full JPAT on Thursday.
 - Members include the Services, JCSG's, AAA, GAO, and OSD agencies
- Why? Because COBRA must be revised to reflect 10 years of change.



TRAINING PURPOSES ONLY

What can you expect?



- COBRA
 - Training sessions in January.
 - Available on 1 February.
 - Can be loaded onto your PC.
- YOU are running the model.
- Support is available from R&K and myself.
- Look for the draft COBRA Manual and COBRA Algorithm Manual on :J drive.



QUESTIONS/DISCUSSION ?