

Headquarters Air Mobility Command



A PERSPECTIVE ON TRAINING MIGRATION

AMC/A3TD

Aug 11

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KEY QUESTION



**What's Involved in the Process of
Migrating Training into the Simulators?**



MAF LVC-OT SYSTEM USE



- **Sim Upgrades Funded w/Flying Hours Since FY94**
- **AMC Would Need \$730M+ Addition to our Flying Hour Program Every Year, if We Lost Our Sims Tomorrow**
- **AMC Actively Manages Vol 1s & Sim/DMO Roadmaps**
 - **Fly Hour Requirement Based on Vol 1 Events + Seasoning**
- **Benefits of Enhancing Sims, Beyond Reaping of Fly Hrs**
 - **Increased Training Opportunities**
 - **Enhanced Training Experience & Combat Readiness**
 - **Lower Operational Risk**

Margin for movement of additional training into sims is relatively small given sim enhancements and Vol 1 adjustments to date.



MIGRATION OF TRAINING INTO SIMS



- **Seen by Many as a “Silver Bullet” to Address Challenges**
 - Live Fly Costs, Energy Consumption, Range Issues, etc.
 - The Airline Business Model is Touted by Many
- **Enthusiasm Should Be Tempered Given Realities:**
 - Resource Limitations for Capacity, Fidelity, & Concurrency
 - Young Aviators = Necessity for Live Seasoning/Maturity
 - Migrating a Training Event into Sims w/o Increased Sim Time (i.e. Capacity) Results in Loss of Training Time
 - Migration Risk: Fidelity Limitations may Lead to Veiled Training Program Shortfalls

Training system analyses is very complex. Rigor must be applied to analyses for cost effective training at acceptable risk levels.



GENERALIZED PROCESS



Flying Hour Program Adjustment

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GENERALIZED PROCESS



MDS Training Systems Analysis (e.g. TSRA)

↓
Fidelity
Capacity
Risks

Flying Hour Program Adjustment

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GENERALIZED PROCESS

MDS Training Systems Analysis (e.g. TSRA)

Fidelity
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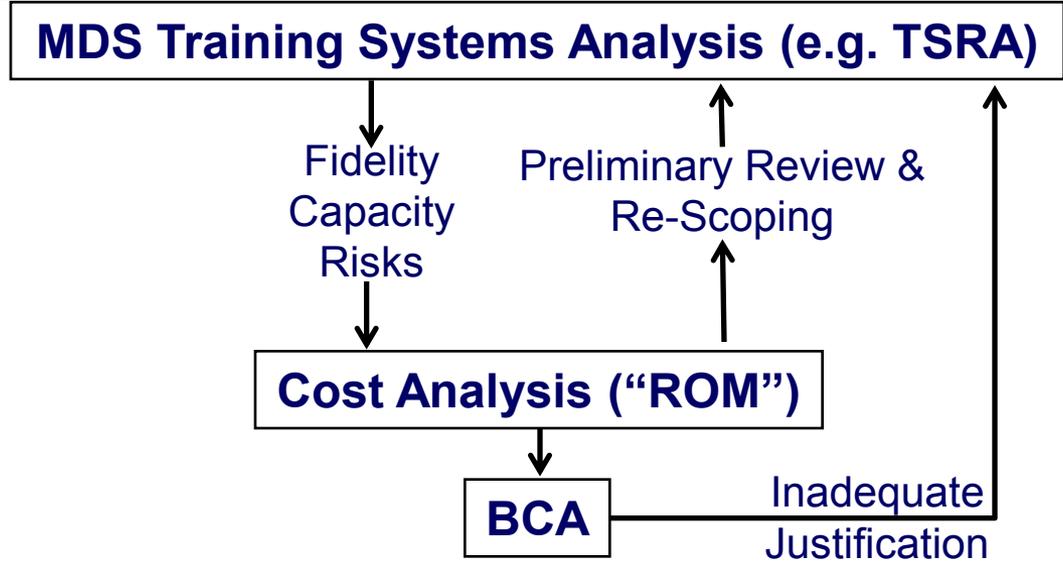
Preliminary Review &
Re-Scoping

Cost Analysis ("ROM")

Flying Hour Program Adjustment



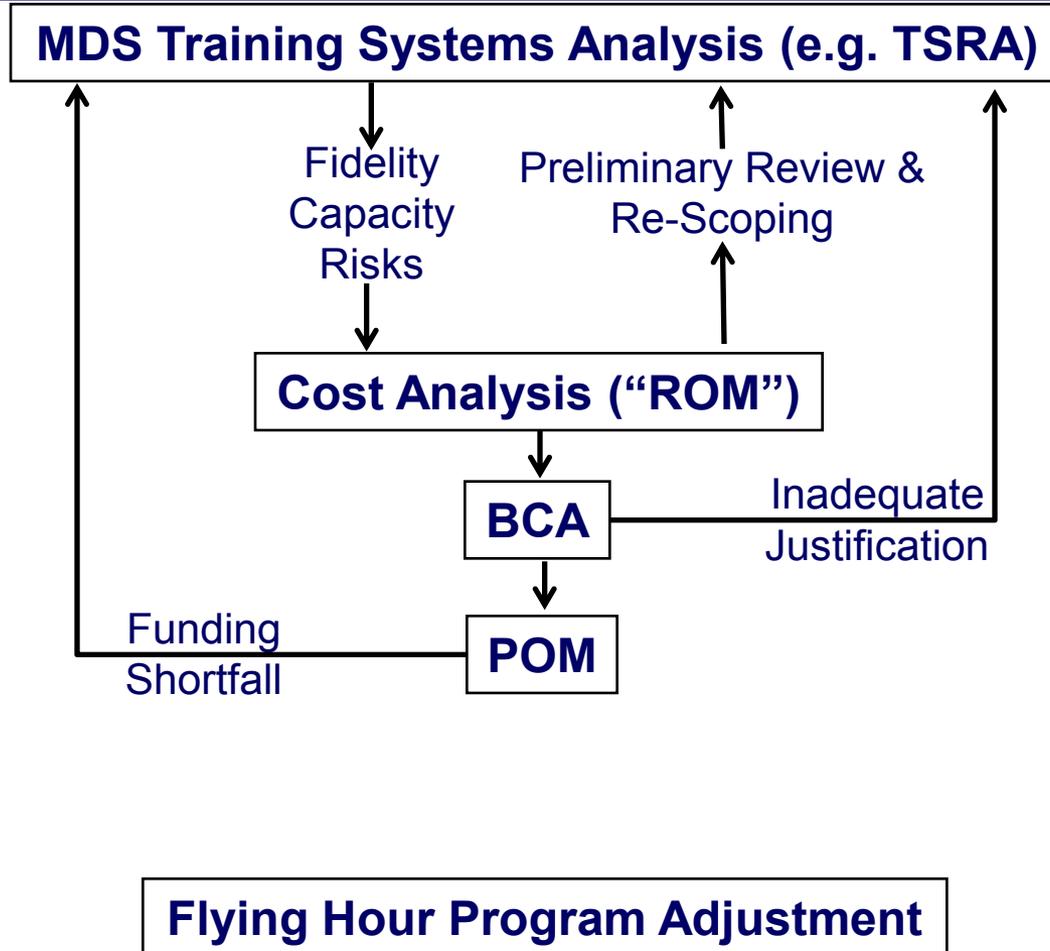
GENERALIZED PROCESS



Flying Hour Program Adjustment

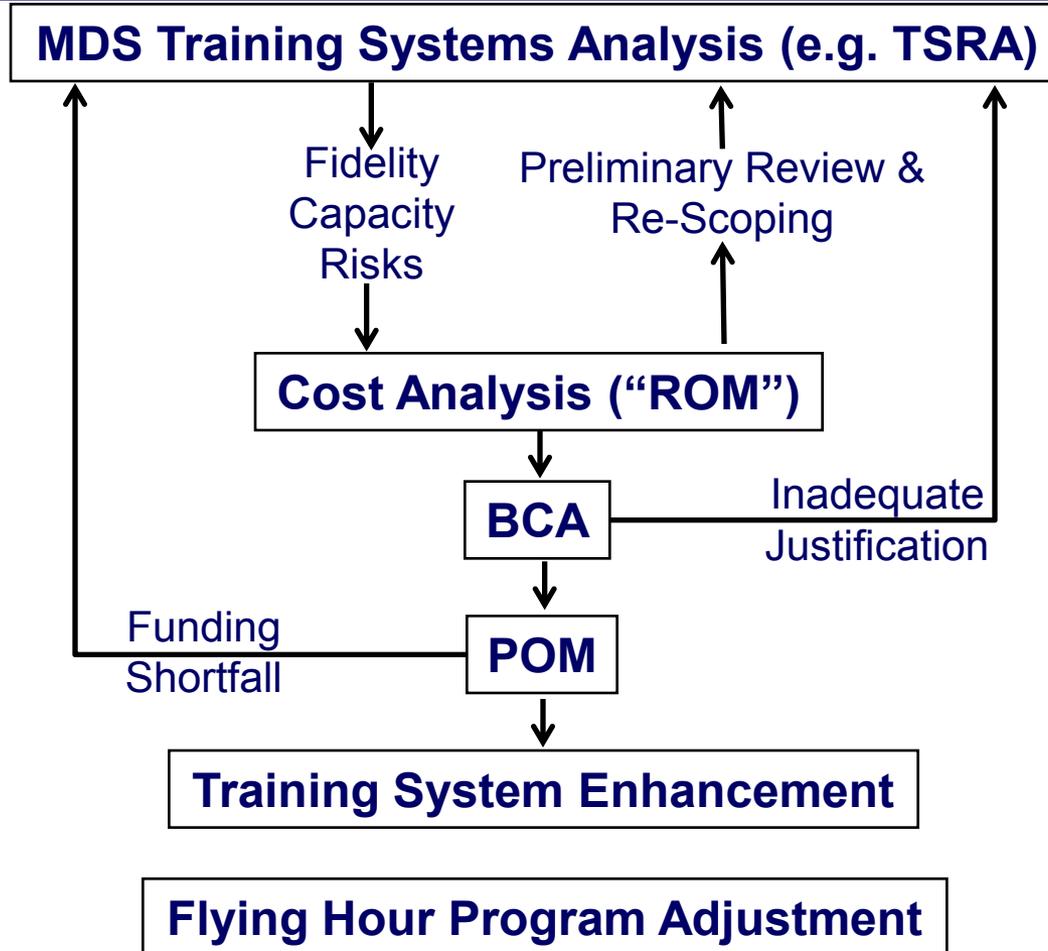


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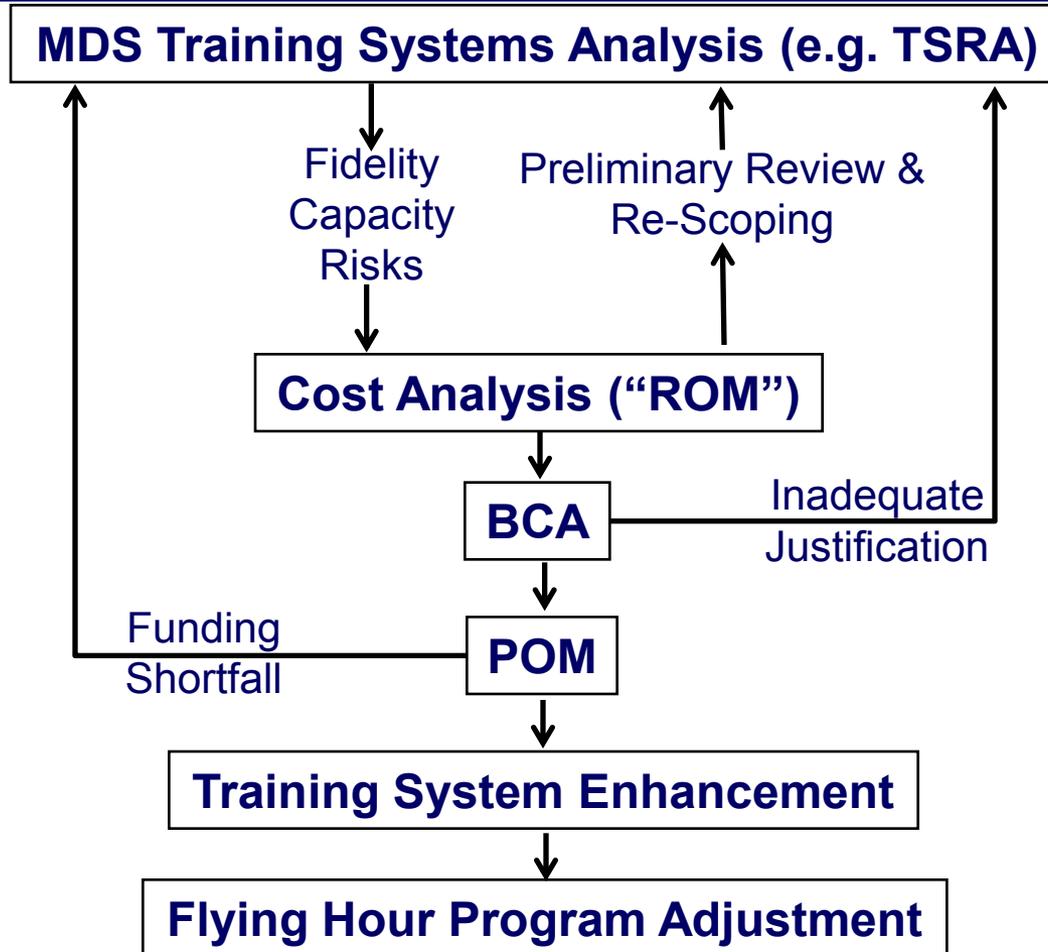


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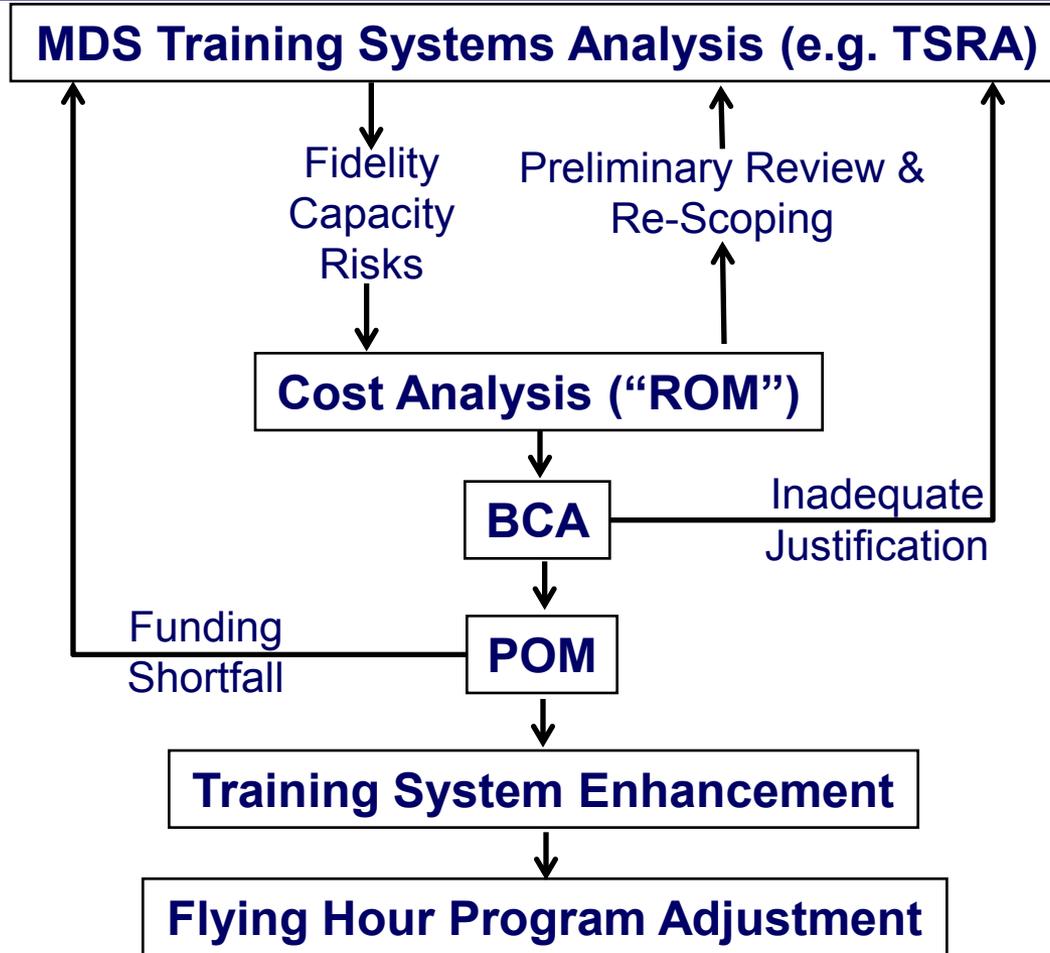


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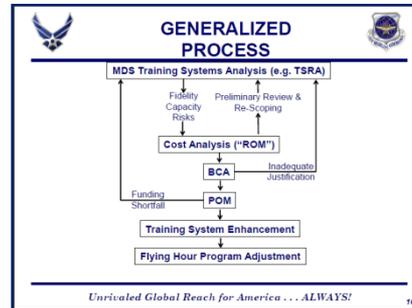
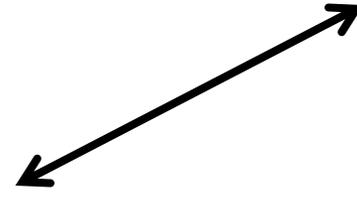
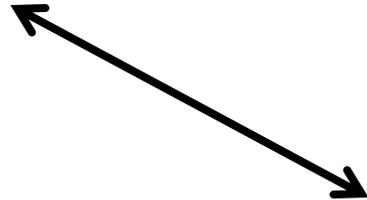
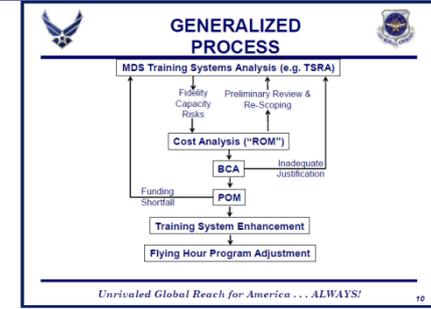
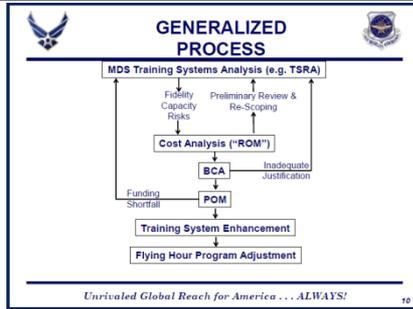


Systematic, iterative process takes time and resources.

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MULTIPLE MDSs AND DMO



- Complexity of Required Analyses Rapidly Increases when Entertaining Interoperability Across Platforms
- Must have Mutual Training Benefit for Training Partners

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KEYS TO SUCCESS



■ Dos

- Cooperation across Functionals/Directorates/MAJCOMs
- Strong Relationships with & between Contract Support
- Integrated Acquisition Across Platforms & MAJCOMs
- Enterprise Standards and Policy for Interoperability

■ Don'ts

- Short-Circuit the Process
- Develop Requirements in a Vacuum
- Uncouple Flying Hours from LVC System Enhancements
- “Pull up the floor boards to put up the rafters”
 - ◆ Must Have a Tangible Readiness Training Outcome
 - ◆ Need Judicious, Systematic Approach



QUESTIONS?

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