

## Warfighter Assessment

### USSTRATCOM

Daniel R. Peppers, LTC, USA  
Penetration Analysis

Mark Kraus, LTC  
STRATCOM J535

Craig T. Peppe, LCDR, USN  
Penetration Analysis, Model Development

Michael O Harris, Maj, USAF  
Penetration Analysis, Chief Model Operations

Bill Patnaude, Maj, USAF  
War Plans Analyst

Gregory A. Kroll, Lt, USN  
Program Manager

Patrick A. Becker, Lt, USN  
EADSIM Analyst

Dick DeRoos, Civ.  
Director, Joint Model and Simulations Operations Branch  
USSTRATCOM J532

John Jones, Civ.  
USSTRATCOM J531

Robert Cole, Civ.  
USSTRATCOM J532

Lee Jaramillo, Civ  
USSTRATCOM J532

Shawn Amos, ITC (SW)  
USSTRATCOM J534

#### I. General Information

A. Welcomed visit and endorsed DMSO refocus on Warfighter needs

B. J532 is the USSTRATCOM POC for M&S

1. According to the interviewees, J5 is the main M&S user in USSTRATCOM
2. J3 does not use M&S, but rather trains with actual equipment

2000.

## Warfighter Assessment

### II. Current issues -- Models and Simulations

A. STRATCOM is moving towards providing increased support for theater operations, to include planning strategic strikes against theater-specific targets

1. Use EADSIM as primary simulation for analysis
  - a. Data cannot be shared with other models
  - b. Lack of interoperability with real-world C4I
  - c. Does not simulate a single weapon, low yield, high altitude detonation, which includes the effects of weather, dust, etc., on the propagation of electromagnetic effects through the atmosphere → EMP
2. Threat Order of Battle data bases are too incomplete
3. Lack a single set of standards for both intelligence data and planning tools

B. Lack access to standardized and validated data

C. Lack models that can simulate human behavior, particularly in regard to US Joint doctrine

D. Tools not available to manage information: how to call, store, maintain, manage data (information operations)

E. Need to enforce VV&A guidelines

F. M&S Requirements

1. A means of identifying, reviewing, and sharing M&S data and findings from studies, reports, etc., that address areas of interest to the command -- **TOP PRIORITY**
2. The effects of strategic attacks on theater targets are reflected in the simulations being used, and are visible to the supported staff through their C4I
3. A standard threat order of battle for exercises and crises
4. Common, dynamic, operational picture (i.e., one that is updated as threat and target status change)
5. A single set of standards for intelligence data and intelligence planning tools
6. A detailed, high fidelity nuclear weapon model for single weapon, low yield, high altitude detonations, which includes the effects of weather, dust, etc., on the propagation of electromagnetic effects through the atmosphere → EMP
7. Common models and databases for simulating human behavior. In particular, the need to simulate the reaction of warfighters to an incoming threat

### III. MSIAC Support Activities

A. Because the staff's focus was on identifying sources of information rather than specific "M&S" requirements, much of our time was spent discussing the types of MSIAC support that is available to STRATCOM

1. 09/20/04  
2:20 PM

2-10

Wolfe + 5 Ascans

red + hi Andy Seb  
30/9/00