OOTW Tools
Workshop on Planning & Related Tools

OASD (SO/LIC), USPACOM, JS/J-8
Agenda

• Introduction: setting the stage
• Data - Needs: presentations by CINCs
• Data - Tools: demos of pertinent tools
• Analysis: group problem solving
• Force Design Conclusion: initial synthesis
• Discussion of Next Issue: VIC?
Introduction

• Welcome
• Administrivia
• History of OOTW Tools projects
• Devil’s Advocate
• Charge to workshop
  – Wrap up Force Design issue
  – Consider next issue
<table>
<thead>
<tr>
<th>Dates</th>
<th>Event</th>
<th>Purpose/Actions</th>
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<tbody>
<tr>
<td>Feb 1996</td>
<td>PACOM Workshop 1:</td>
<td>Identify OOTW questions &amp; process.</td>
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<td>Sep 1996</td>
<td>PACOM Workshop 2:</td>
<td>Identify OOTW analysis structure &amp; requirements.</td>
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<td>Jan 1997</td>
<td>MORS Workshop:</td>
<td>Explore functional areas &amp; surface potential methodologies &amp; tools.</td>
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<td>Apr 1997</td>
<td>OSD/J-8 Conference:</td>
<td>Examine concept of JWARS coverage of OOTW functionality.</td>
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<td>Jun 1997</td>
<td>MORS Symposium:</td>
<td>Coalesce the movement to action.</td>
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<td>Sep-Nov 1997</td>
<td>OSD Study:</td>
<td>Define OOTW/JWARS intersection.</td>
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<td>Define methodologies/tools needed to support functional areas.</td>
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<td>Recommend actions.</td>
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Devil’s Advocate

• OOTW Mission Planning Tools are not needed
• OOTW Mission Planning Tools are not needed for Crisis Action Planning
• OOTW Mission Planning Tools are not known to be needed by Crisis Action Planners & Operators
Possible Implications

• An overall OOTW Mission Planning Tool is not needed, but various “helpers” are needed
• What is needed is Data, not Tools
• OOTW Mission Planning Tools are only needed for Deliberate Planning, Force Assessment, System Effectiveness & Tradeoff, and Concept & Doctrine Development & Analysis
Or Maybe

• A tool, several “helpers,” and/or Data are needed
• Planners and Operators just don’t know what they are missing
• Analysts need to develop these items
• Analysts then have to educate Planners and Operators and sell them on the items
Who Needs What?

CINCs  SOCOM  Services  OSD  Joint Staff

Crisis Action Planning  Deliberate Planning

What If?
Data: Needs

- USACOM
- USCENTCOM
- USEUCOM
- USPACOM
- USSOCOM
- USSOUTHCOM
Data: Tools

- MRM/CAPS - Atwell
- OFP/FA&CT - Waters
- SENSE - Lidy
- SEASTATE - Free
- CarePlan - Campbell
- COST - IDA
- JEB - USACOM
- Other - Hartley
Data: Tools (1)

• GCMP flowchart
  - Keep track of what to do next, who to call

• SEASTATE
  - Dealing with ships as unit of measurement

• SENSE
  - multi-user system
Data: Tools (2)

- MRM/CAPS
  - MRM defines tasks
  - CAPS assigns notional units & computes coverage

- OFP/FA&CT
  - OFP defines generic missions & tasks
  - FA&CT assigns actual units & computes total personnel, short tons, cubic feet
Data: Tools (3)

• Kaiser-Permanente Dynamic Planning
  – built to permit real-time dynamic re-planning
• JEB
  – keeping track of logistics impacts
• COST
  – computes costs
Analysis

• Split into working groups
  – Force Design, Common Picture, Data?
• Is there a problem?
• What is the problem?
• What should we do about it?
  – actions to be taken
  – persons/organizations responsible/participating
  – timing, cost/funding
Working Group Questions

• What are the functional subdivisions?
• What are the requirements for each?
• If you have time:
  – Can any of the subdivisions be combined?
  – Should any of the remaining ones be connected?
  – Should there be connections to tools from other Working Groups?
Tool Definition

• One tool
• Several tools - designed in concert to match assumptions & support information exchange
• Several independently developed tools
• Combination of the above
Functional Subdivisions

- CINC: JTF J3; JTF J5; J5 doing Conops
- Service + SOCOM: doing Programming; doing QDR
- OSD, J8 & ACOM doing QDR
- J7 & ACOM doing training
- Services doing doctrine development
- SOCOM & ACOM doing joint experiments
Look For

• features/functions/points of view/user interfaces
• In any tool to do a job
• Tool to provide starting base
• Flaws
  - centrality of Service concept (SRC codes)
  - smallest unit (person, battalion, ship)
  - lacking Service (Coast Guard)
  - lacking other countries, host nation, NGO/PVO
Four Working Groups

• “Warfighter” Focus (CINCs)
• “Force Provider” Focus (Services, SOCOM)
• “National” Focus (Joint Staff, OSD)
• “Alternative Views” (Out of the Box)
Warfighter Group

• Analyze the warfighter’s requirements for force design tools
  - Who specifically would use force design tools at the CINC/JTF level?
  - What specifically would these people/organizations do with a force design tool? (develop a DPFDD, an ATO, etc.)
  - How would you as an analyst organize these force design tasks and functions? (logistics, force protection, etc.)
  - Who would use this analysis? (at, above or below the CINC/JTF level)
  - Is there a linkage between the kind of analysis done at the CINC/JTF level and that done at other levels? Where do requirements overlap?
Force Provider Group

- Analyze the force provider’s requirements for force design tools
  - Who specifically would use force design tools at the Service/SOCOM level?
  - What specifically would these people/organizations do with a force design tool? (force structure development, force assessment, etc.)
  - How would you as an analyst organize these force design tasks and functions? (force adequacy, readiness, etc.)
  - Who would use this analysis? (at, above or below the Service/SOCOM level)
  - Is there a linkage between the kind of analysis done at the Service/SOCOM level and that done at other levels? Where do requirements overlap?
National Group

• Analyze the national/DoD requirements for force design tools
  - Who specifically would use force design tools at the national/DoD level?
  - What specifically would these people/organizations do with a force design tool? (programming assessment, readiness, etc.)
  - How would you as an analyst organize these force design tasks and functions? (adequacy models, readiness models, etc.)
  - Who would use this analysis? (at, above or below the national/DoD level)
  - Is there a linkage between the kind of analysis done at the national/DoD level and that done at other levels? Where do requirements overlap?
Your CINC has recently assigned you as the director of a task group charged with developing a new organization capable of doing force design for OOTW.

- Who is in your new organization? (Is it a purely military organization-- or something else?)
- Who does the organization respond to? (Who can task the organization?)
- What training do your people have?
- What are their responsibilities?
- What tools do they have?
- What is this organization’s greatest challenge?
- What hurdles must be overcome for this organization to come into being?
Force Design: Conclusion

• What was said?

• What was decided?

• Where we go from here?
Next Issue

• Virtual Information Center (VIC)?

• Impact & Course of Action Analysis?

• Other?