



UNRESTRICTED  
WARFARE  
SYMPOSIUM

14 - 15 MARCH 2006

MEETING THE UNRESTRICTED  
WARFARE THREAT:  
INTEGRATING STRATEGY,  
ANALYSIS AND TECHNOLOGY

# Necessary changes

## Analyzing systems and technologies in an era of Unrestricted Warfare

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# Shifting our worldview

- **Start by constructing new strategic-level “value system”**
  - Put defense in the same equation as offense
  - Measure the availability and flexibility of options
- **Measure effectiveness of systems and technologies in terms of the effect upon knowledge, cognition, and behaviors**

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# Recreating the circus

- **Infuse new domains into analysis**
  - Recreate the atmosphere of **Blackett's circus**
  - Keep it quantitative
- **Understand and represent non-kinetic effects in analysis**
  - How knowledge affects all sides
  - How behavior is enacted at individual and group
- **Tie into physical actions and effects**
  - Create option sets
- **Measure effects within a new value system**
- **Develop or adopt new analytic techniques**



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# Summary

- **Quantitative analysis of operations, tactics, systems and technologies for Unrestricted Warfare must:**
  - **Expand beyond conventional warfare success criteria (e.g., territory and attrition)**
  - **Use measures of effectiveness that show defensive and offensive options**
  - **Include the knowledge and behavioral sciences along with physics**
  - **Incorporate mathematical and quantitative techniques from other scientific disciplines**

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