



Edward McCallum

Combating Terrorism Technology Support Office



NDIA 11th Expeditionary Warfare Conference

23-26 October 2006



“Humanity was informed that it could make machines that would fly through the air. The conquest of the air and the perfection of the art of flying fulfilled the dream which for thousands of years had glittered in human imagination.”

Winston Churchill
March 1949, M.I.T.



System Challenges



- Rapid equipping vs. traditional acquisition
- Information Age vs. Industrial Age
- Operational analysis drives acquisition



Opaque Engagement





Operational Challenges



- Tactical/Law enforcement-style targeting
- Cyber-sanctuaries & internet criminality
- Tactical intelligence driven operations
- Building indigenous capability
- Strategic communications



“90% of this war will take place in the information domain.”

- Ayman al-Zawahiri



Policy Challenges



- Communications & commerce law
- Interagency & international best practices
- Strategic organizational model for the Long War



***“We are not yet organized,
interagency or internationally; to
execute this war.”***

**- GEN John Abizaid, CENTCOM
Commander, 2005**



“The old metrics no longer worked...”

