SURFING THE C4ISTAR WAVE

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Surfing the C4ISTAR Wave
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How to Surf…

- Prepare yourself for a challenge
- Catch the Wave
  - Keep Looking Forward! You lose power when you turn around.
  - Be quick! Be in position and ready to stand up when the wave breaks
- Ride the wave!
  - Be prepared for a wipeout!
- Don’t Give Up!

www.wikihow.com/Surf
An Early Airpower Apostle

“Victory smiles upon those to anticipate the changes in the character of warfare, not those who wait to adapt themselves after the changes have occurred.”

Italian Air Chief, General Guilio Douhet
Circa 1925
Fielding a Functional Military Force

• Complex symphony of activity to yield a trained warfighter
The Ever Present OODA
The Battlespace of Tomorrow:
A Room with a View…
The Drop
The C4ISTAR Wave

• The incoming wave will be comprised of:
  – Advanced data fusion
  – Secure communications
  – The continued EW dance
  – Flexible Distribution Command & Control / New CONOPs
  – Flexible/Adaptive Acquisition
DARPA’s Sys. of Sys. Integ. Tech. & Exp. (SoSITE)
A View from US DoD’s Advanced Technology Arm
Open Architectures / Standards
LM Aeronautics Approach
The Elusive Common Operating Picture
Our Persistent Challenge

Goal: Immaculate Situational Awareness Across Spectrum
Cooperative Engagement
A Connected Total Force
Key Insights
Don’t Play Checkers at a Chess Match…

• Focus on Operational Innovation
• Make an Omelet
  – Part with Antiquity, When Required
  – C4ISTAR is A Team Sport
• Cyber Security
  – Maneuverable/Resilient networks
• C4ISTAR superiority is a never-ending contest
  – The game quickly evolves
  – You can never rest
  – The future will usually be more advanced than you anticipate
Questions

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