



**blackhat**<sup>®</sup>  
ABU DHABI 2012



DECEMBER 10 - 13, 2012  
EMIRATES PALACE | UNITED ARAB EMIRATES

In partnership with:

TRAC  
الاتحاد للاتصالات  
TELECOMMUNICATIONS REGULATORY AUTHORITY

KHALIFA  
UNIVERSITY

Supported by:

CERT  
Computer  
Emergency  
Response  
Team  
مركز الاستجابة لحوادث أمن المعلومات

# Getting the Cyber Future We Want, Not the One We Deserve

Jason Healey  
Atlantic Council



“...the ideas of the future being different from the present is so repugnant to our conventional modes of thought and behavior that we, most of us, offer a great resistance to acting on it in practice.”

John Maynard Keynes, 1937

# Five Futures



## Each with different characteristics

- Balance between offense and defense
- Adversaries
- Violence and frequency of conflicts
- Nature of military operations



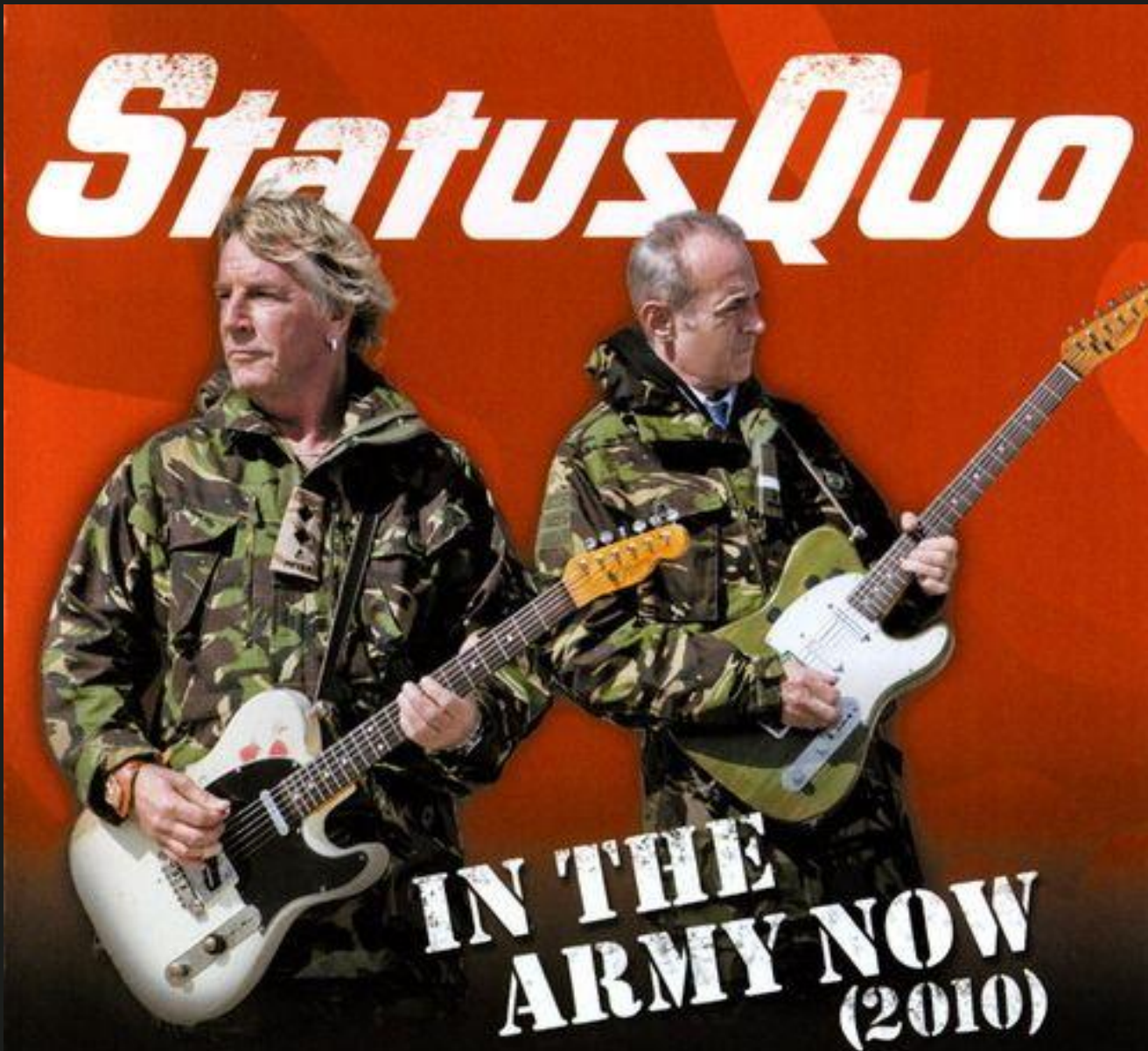
D>>0

 **blackhat**<sup>®</sup>  
ABU DHABI 2012



O>>D

  
**blackhat**<sup>®</sup>  
ABU DHABI 2012

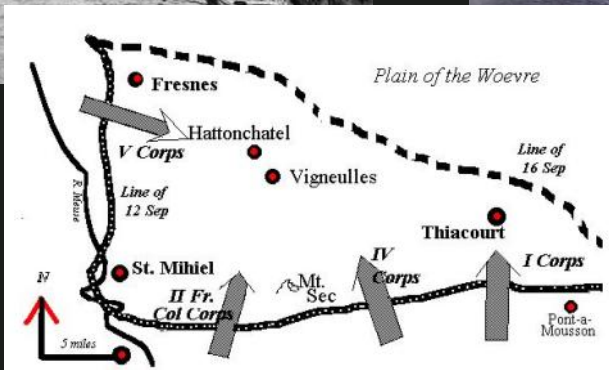


O>D

 **blackhat**<sup>®</sup>  
ABU DHABI 2012

## FORMER YUGOSLAV FEDERATION





O>D

But Waaay More...



“The vast possibilities of our great future will become realities only if we make ourselves responsible for that future”

Gifford Pinchot

# Cyber Statecraft Initiative

- International conflict, competition and cooperation in cyberspace
- Publications (all at our website, acus.org)
- Public and Private Events

# QUESTIONS?

jhealey@acus.org

Twitter: @Jason\_Healey

The collage features three Atlantic Council Issue Briefs. The top brief, titled "Bringing a Gun to a Knife Fight: US Declaratory Policy and Striking Back in Cyber Conflict" by Jason Healey, discusses the Cyber Statecraft Initiative's focus on international cooperation and understanding of cooperation and conflict in cyberspace. The middle brief, "Beyond Attribution: Seeking National Responsibility for Cyber Attacks" by Jason Healey, explores the challenges of attribution and the need for a new paradigm of responsibility. The bottom brief, "NATO's Cyber Capabilities: Yesterday, Today, and Tomorrow" by Jason Healey, examines NATO's current mission of collective defense and the challenges of a new paradigm of responsibility. The bottom-most brief, "The Five Futures of Cyber Conflict and Cooperation" by Jason Healey, discusses the five futures of cyber conflict and cooperation: the status quo, deterrence, escalation, cooperation, and a new paradigm of responsibility.