

# INTERNET GOVERNANCE

HISTORICAL OVERVIEW <sup>1</sup>



SYRACUSE UNIVERSITY SCHOOL OF INFORMATION STUDIES

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FEBRUARY 21, 2013

# CHINA, THE US AND CYBERSECURITY: IS MANDIANT PROMOTING A COLD WAR MENTALITY?


The release of the [Mandiant report on "Advanced Persistent Threat 1" \(APT1\)](#)

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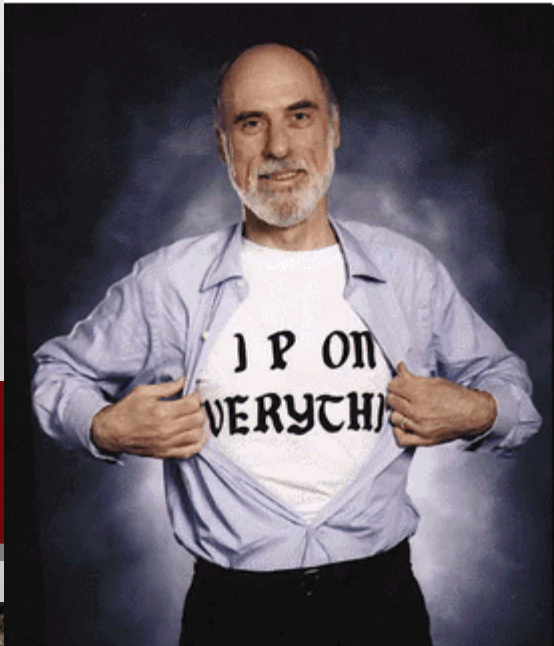
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# FOUR PHASES IN THE EVOLUTION OF INTERNET GOVERNANCE

- FORMATION OF THE INTERNET TECHNICAL COMMUNITY
- CREATION OF ICANN
- THE UN WORLD SUMMIT ON THE INFORMATION SOCIETY (WSIS)
  - THE INTERNET GOVERNANCE FORUM
- STATES SEEKING THEIR ROLE
  - CYBERSECURITY, THE ITU, THE NSA

# THE INTERNET TECHNICAL COMMUNITY

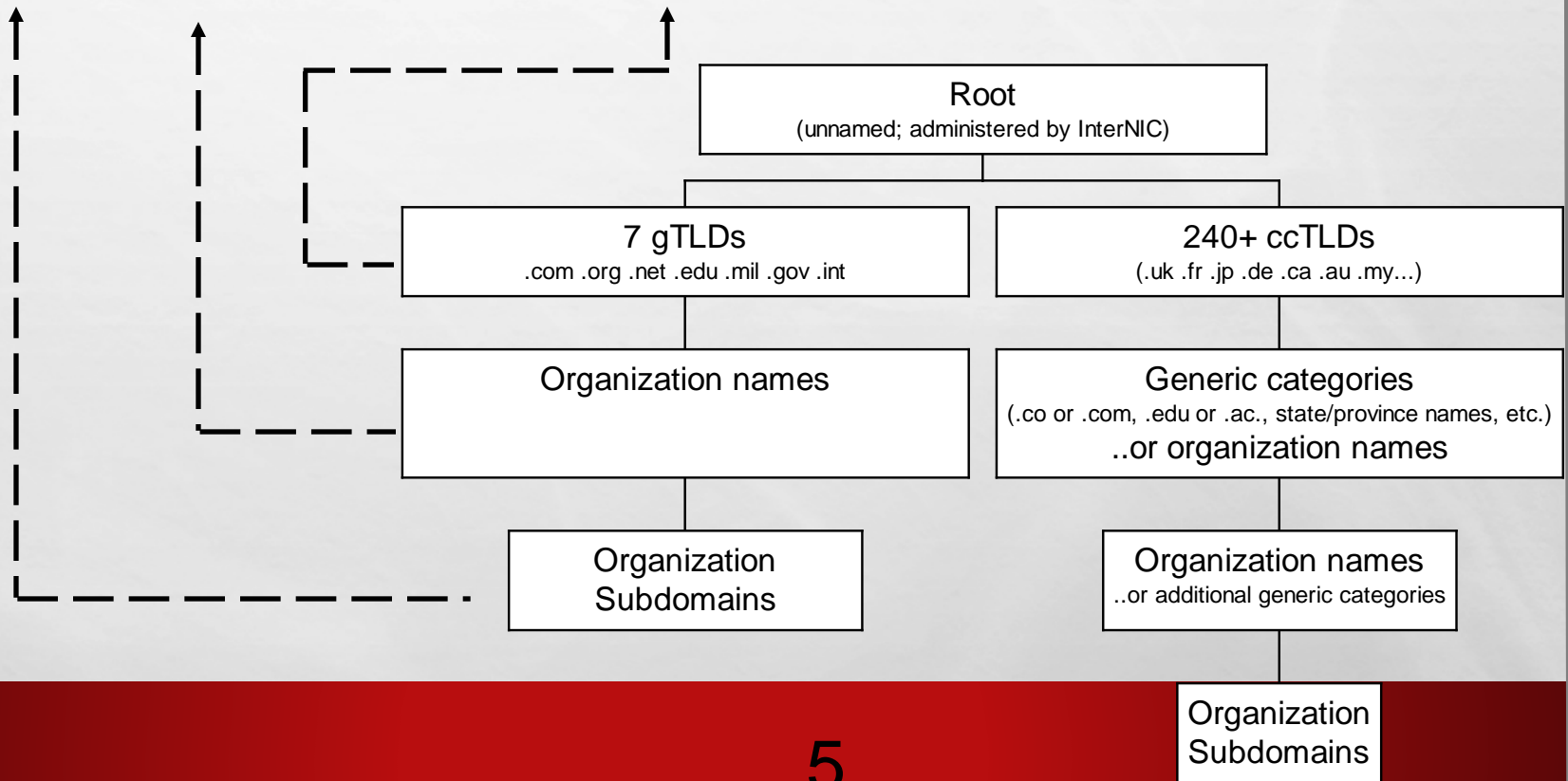
"WE REJECT KINGS, PRESIDENTS,  
AND VOTING. WE BELIEVE IN  
ROUGH CONSENSUS AND  
RUNNING CODE." (DAVID CLARK,  
1992)





# The Domain Name Wars (1994 – 98)

**www.jabberwocky.com**



# FORMATION OF ICANN

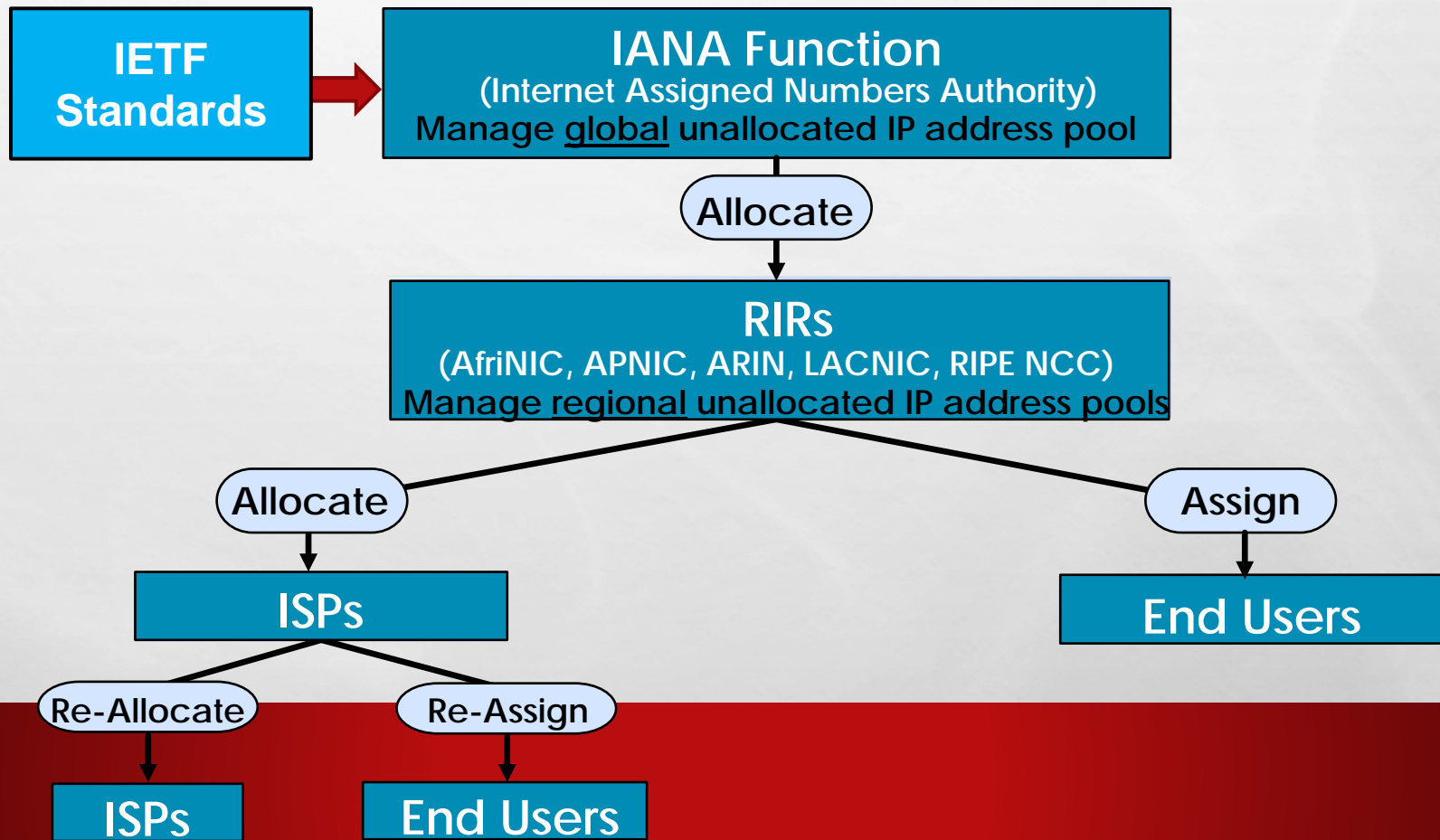
- INCORPORATED AS PRIVATE, NON-PROFIT "PUBLIC BENEFIT CORP." UNDER CALIFORNIA LAW
- EMERGED FROM A U.S. DEPARTMENT OF COMMERCE PROCEEDING IN 1998
- SUBJECT TO US GOVERNMENT OVERSIGHT
  - JPA (ENDED OCTOBER 2010)
  - IANA CONTRACT



# WHAT DOES ICANN DO?

- CONTROLS THE ROOT OF INTERNET IDENTIFIERS
  - IP ADDRESSES
    - DELEGATES ADDRESS BLOCKS TO RIRS
    - ROOT OF RPKI FOR ROUTING SECURITY?
  - DOMAIN NAMES
    - CONTROLS ROOT ZONE FILE
    - DOMAIN NAME – TRADEMARK DISPUTES (UDRP)
    - WHOIS POLICY

# IP Addressing





# WORLD SUMMIT ON THE INFORMATION SOCIETY



# OUTCOME OF WSIS

- TUNIS AGENDA AND THE “ROLES” OF STATE AND NON-STATE ACTORS
  - GOVERNMENTS: RESPONSIBLE FOR “PUBLIC POLICY”
  - PRIVATE SECTOR: RESPONSIBLE FOR TECHNICAL AND ECONOMIC DEVELOPMENT
  - CIVIL SOCIETY: PLAYS AN “IMPORTANT ROLE IN INTERNET MATTERS, ESPECIALLY AT THE COMMUNITY LEVEL”
- INTERNET GOVERNANCE FORUM (IGF)
  - A (NON-BINDING) PLACE TO CONTINUE DISCUSSIONS
  - MULTI-STAKEHOLDER DIALOGUE UNDER THE AEGIS OF THE UN SYSTEM

# WCIT, THE ITRS AND THE ITU

- THE 1988 WATTC
  - TELECOM LIBERALIZATION
  - ARTICLE 9 "SPECIAL ARRANGEMENTS"
  - "INFORMATION SERVICES" VS. "TELECOMMUNICATIONS"
- REVISING THE ITRS
  - SCARE TACTICS
  - THE ETNO PROPOSAL
  - CYBERSECURITY
- DUBAI DECEMBER 1 – 14, 2012

# FORWARD-LOOKING ISSUES

- CYBER SECURITY, CYBER ESPIONAGE, CYBER “WAR”, AND NATIONAL GOVERNMENTS
  - NSA REVELATIONS
- IPV4 ADDRESS SCARCITY AND IPV6 MIGRATION
- FUTURE OF IGF
- FUTURE OF ITU



# The Internet political spectrum

