

# ICANN Update



**Save Vocea**

Manager Regional Relations –  
Australasia/Pacific Islands

**SANOG 15, Dhaka**

27 Jan 2010

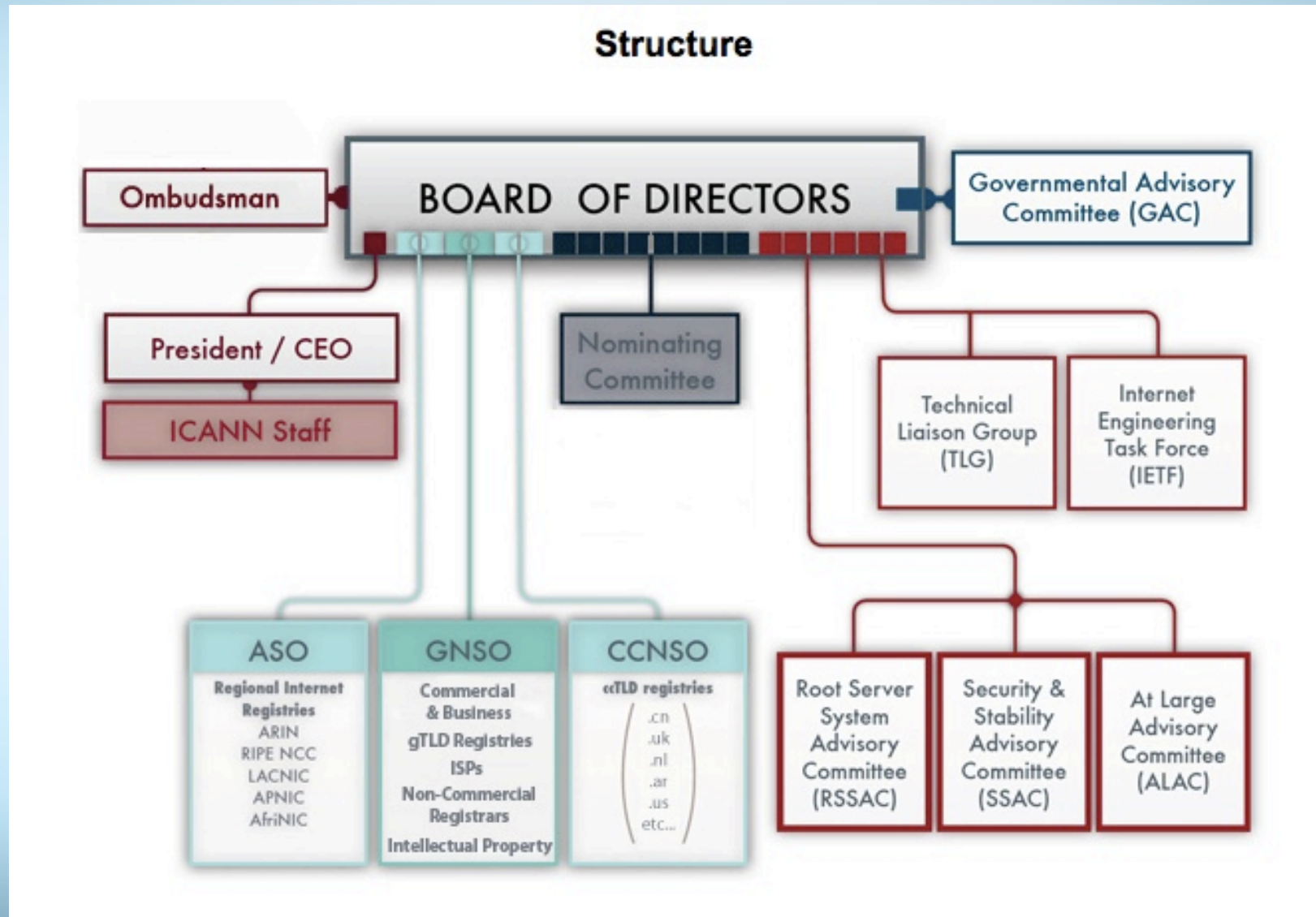
# Overview

- Introduction
- What's going on?
- Get involved

# Brief history of ICANN

- Created in 1998 as an international multi-stakeholder organization responsible for the technical management and coordination of the Internet's domain name system and its unique identifiers
- ICANN coordinates:
  - Internet Protocol address space allocation
  - Protocol identifier assignment
  - Generic and country code top-level domain name system management
  - Root server system management functions

# ICANN structure



# Some Initiatives



Topics	At a glance:
IDN ccTLD Fasttrack	Application round launched 16 Nov 09
Introduction of new gTLDs	DAG 3 – Interested parties to submit EOI
Affirmation of Commitments	Support for ICANN model – signed 30 Sep 09
DNS Security	Ensure system stability and resiliency
Enhance IANA Operations	To meet expectations and growth, automation
Signing the Root	Signed in Dec 09 with incremental signing
Registrar Accreditation Agreement	Better protection for Registrants
IPv4 to IPv6 transition	Support transition to IPv6
Strategic Planning	For period July 2010 – June 2013
Community Policy development	Facilitate bottom-up, open policy development

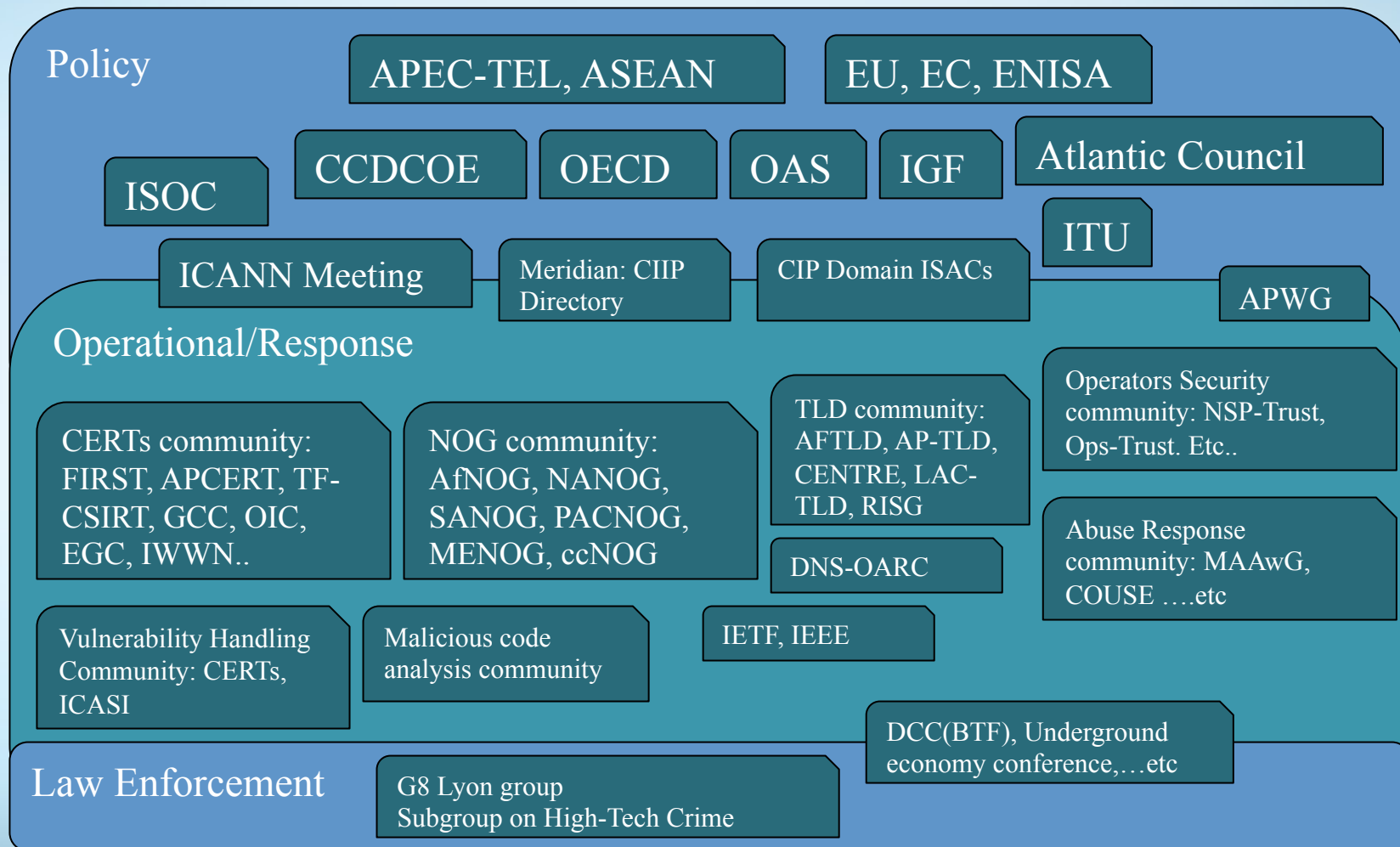
# ICANN roles and responsibility related to security, stability and resiliency



- Bylaws: To coordinate, overall, the global Internet's system of unique identifiers, and to **ensure stable and secure operation** of the Internet's unique identifier systems
- Core: Ensure DNS **system stability and resiliency**
- Enabler: Work with broader Internet and security communities to **combat systemic DNS abuse**; assist operators to protect DNS registration and publication process
- Contributor: Identification of **risks** to security, stability and resiliency of the DNS as **part of larger cybersecurity** challenges
- **Not involved** in cyber war/espionage or content control

Board approved ICANN Plan for Enhancing Internet Security, Stability and Resiliency  
SSR Plan : <http://www.icann.org/en/announcements/announcement-2-21may09-en.htm>

# Global Cyber Security Community



# Key initiative: Internet Assigned Numbers Authority (IANA) operations



- Supporting the implementation of DNS Security Extensions (DNSSEC)
  - Worked with USG/VeriSign to sign root
- Initiate improving root zone management through automation
- Improve authentication of communication with TLD managers



# Key initiative: DNS root server operations



- Continuing to seek mutual recognition of roles and responsibilities and initiate a voluntary effort to conduct contingency planning and exercises
- Secure, resilient L-root operation

# Key initiative: Collaboration with TLD Registries and Registrars



- Establishing New gTLDs and IDNs: Ensure establishment of new gTLD and IDN applicants provide for stable operations & enhanced security controls
- gTLD Registries:
  - Mature the gTLD registry continuity plan and test the data escrow system
  - Establish expedited security request and response system
- ccTLD Registries:
  - Mature the joint Attack and Contingency Response Planning (ACRP) program that has been established with the regional TLD associations
  - Facilitate the ccTLD working group on incident response
- Registrars: Enhance registrar accreditation and data escrow requirements

# Key initiative: ccTLD security and resiliency capacity building initiative



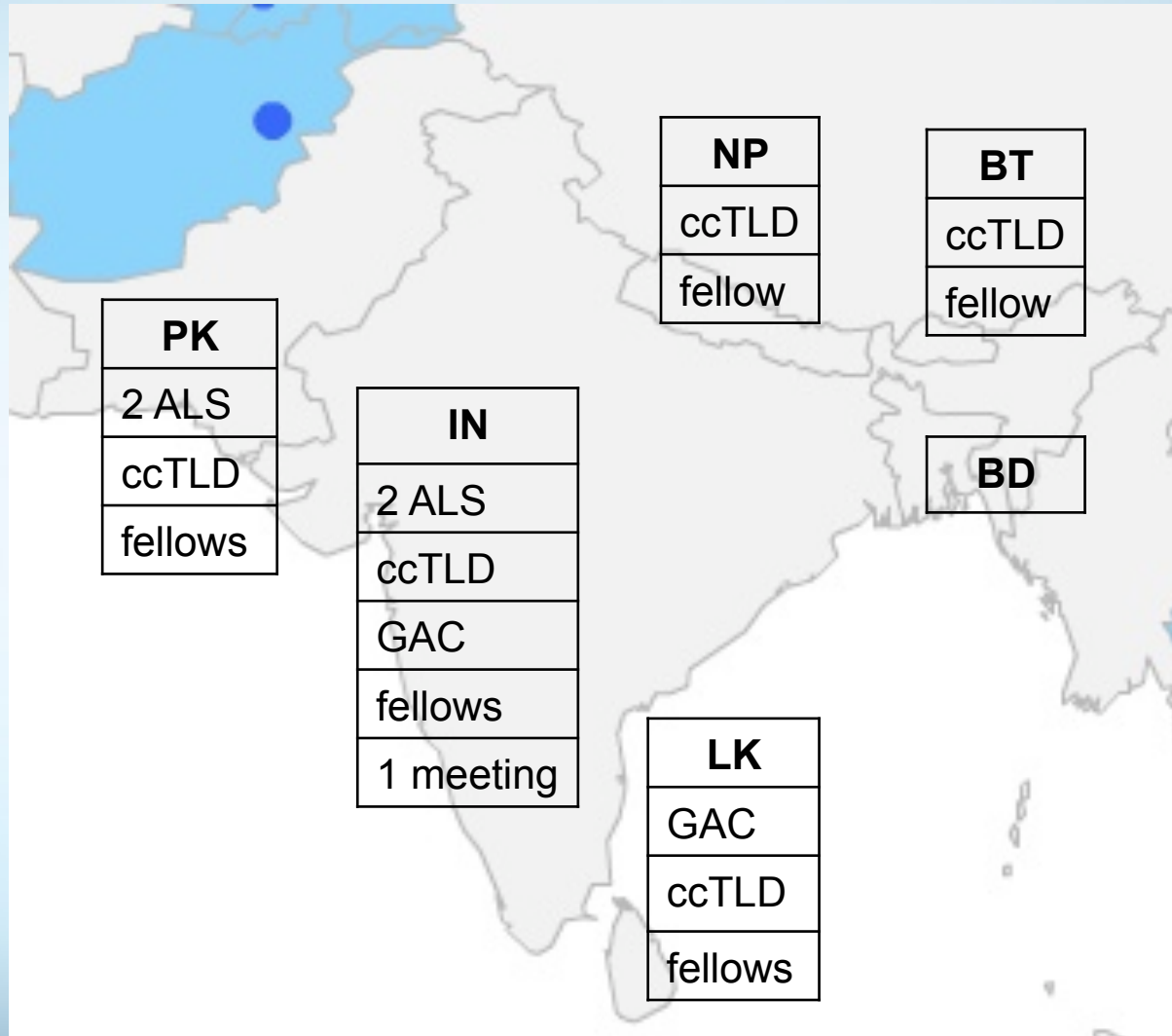
- Partnered with ccTLD regional organizations to provide training/exercise events to develop capacity
  - Managerial-level Attack and Crises Response Planning course – process & best practice
  - Technical-level hands-on defense techniques in simulated threat environment
  - Workshop to establish exercise programs
- Next ICANN registry course at APRICOT 2010  
KL, 23-27 Feb10

# Key initiative: Ensure global engagement and cooperation



- Enhance partnerships to include the Internet Engineering Task Force (IETF), Internet Society (ISOC), regional internet registries (RIRs) and network operators groups, the DNS Operations, Analysis and Response Center (DNS-OARC), and global incident response community such as Forum of incident response security Teams (FIRST)
- Engage in global dialogues to foster understanding of the security, stability, and resiliency challenges that face the Internet ecosystem and how to engage these challenges with multi-stakeholder approaches

# South Asia in ICANN



# Get involved...

- Participation in ICANN is open to all who have an interest in ICANN's mission
  - Bottom-up policy-making and decision-making
- Online public comments: <http://www.icann.org/en/public-comment/>
- Join At-Large-Structure: <http://www.atlarge.icann.org/>
- Public participation site: <http://public.icann.org/>
- Public meetings held three times a year
  - Last meeting was in Seoul (25-30 Oct 2009, <http://sel.icann.org/>)
  - 7-12 Mar 2010, Nairobi, Kenya (<http://nbo.icann.org/>)
  - 20-25 June 2010, Brussels, Belgium
  - ICANN fellowship for Brussels mtg closes 10 Feb 2010
  - <http://www.icann.org/en/fellowships/>



# Fellows to the ICANN 36, Seoul





Thank You!

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