ccTLD in the Frontier of the IG Ecosystem

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ccTLD in IG
Definition and Contents of Internet Governance

The Definition of Internet Governance

Internet governance is the development and application by Governments, the private sector and civil society, in their respective roles, of shared principles, norms, rules, decision-making procedures, and programmers that shape the evolution and use of the Internet.

——World Summit on the Information Society (WSIS)

Contents of Internet Governance
Necessity of ccTLDs in IG

Internet User

Private Sector

Academia

Government

Technical Community

ICANN

National Organization

Civil Society

Internet User

Internet User

Internet User

Internet User

Internet User

Internet User
The imbalance between Policy and technology can create lots of issues
Natural Advantage of ccTLDs in IG

Three Philosophical Questions
- Who are you?
- Where are you from?
- Where to go?

Three Major Issues about Internet
- Naming
- Addressing
- Routing

Critical Resource Management
- DNS
- IP
- AS
Natural Advantage of ccTLDs in IG

- National Resources
- Localization: IDN (Internationalized Domain Name), EAI (Email Address Internationalization)
- Security: DNSSEC (DNS Security)
- Fundamental Resources
- Sustainable development: IPv6 deployment
Natural Advantage of ccTLDs in IG

- ICANN
- Regional & Global Organizations
- Active International Participation
- Stable Communication Platform
- Cooperation between ccTLDs
- 156 ccNSO Members
- ccTLD Pioneers
Natural Advantage of ccTLDs in IG

- **End Users:** Use domain names for access the internet
- **Civil Society:** build capacity and monitor governance
- **Commercial organizations:** Register domain name for business
- **Academia:** proposes technology update and policy suggestions
- **ISPs:** providing Internet backbone
- **Governments:** Regulation and push forward International cooperation
Natural Advantage of ccTLDs in IG

Technologists’ technical background and expertise make them less influenced by complicated policy factors.

Technologists stand closer to the most advanced technologies, can better grasp the development trend of Internet technology.

Technologists open to every possibility with less limitation.

Technical exchange, which is less affected by policy factors, can serve as a perfect starting point of Internet global cooperation.
Practice of CNNIC
Internet Governance Ecosystem of China

Academy
- Supreme Court & Procuratorate
- National People's Congress
- Other Related Ministries

Enterprises
- State Council
- Management Ministries (CAC, MIIT)

Legislative Institution
- Administrative & Judicial Institution

Internet Industry
- Internet Industry
- CNNIC
CNNIC, a non-profit organization, established in June 1997, as an important constructor, operator and administrator of critical infrastructure in China Internet, is responsible for operation, administration and services of fundamental and critical Internet resources, undertakes R&D and security work of fundamental and critical Internet resources, conducts research on Internet development and provides consultancy, and promotes the cooperation and technological exchange of global.

Main Responsibilities of CNNIC

- Operation, Administration and Service organization of national network critical resources
- Research, Development and Security center of national network critical resources
- Research and consulting services driving force for Internet development
- Platform for Internet open cooperation and technical exchange
About CNNIC – Our Roles in Three Perspectives

- Government
- Technical Community
- Academia
- Policy Coordinator
- Technical Solution Provider
- Industry & Internet user
IG Engagement of CNNIC

- Policy Advice and Proposal
- Statistical Report & Counseling
- International Conference

2014 Wuzhen Summit IG High-level Panel
IG Engagement of CNNIC

CNNIC Institute of Internet Governance Research (IGR)

- Strategic partnership with other think tank
- Joint workshop
- Expert Platform
- Consultation Service Program

2015 APrIGF Workshop

CNNIC Institute of Internet Governance Research
IG Engagement of CNNIC

- National Engineering Lab for Naming and Addressing
- Asia-Pacific Capacity Building Program

CNNIC

- Infrastructure Constructor
- Technical Solution Provider
- Policy Coordinator

Technical Community
IG Engagement of CNNIC

Private Sector:
✓ Technical Support
✓ IG Knowledge Dissemination

Civil Society & User:
✓ User Demand Study
✓ Policy & Standard Optimization

CNNIC
Infrastructure Constructor
Policy Coordinator
Technical Solution Provider

Industry & Internet User
IG Seminar