



RIPE NCC

RIPE NETWORK COORDINATION CENTRE

Our Work With Regulators

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The Early Years of the Internet



- Emerged from universities
- Regulation at the time focused on traditional telecommunications
- Self-regulation appeared to meet the needs of users and the Internet industry
- The public sector was involved, but mostly content with the status quo





Emerging Challenges

Landscape is Changing Dramatically



- **Rapid growth in Internet users - five billion online by 2020**
- **Development of Smart Cities**
- **Internet of Things (IoT) predicted to reach 20 billion devices globally by 2020**
- **IPv6 deployment reaching significant levels - partly driven by IPv4 run-out**



The Stakes are Higher Today



- **The Internet is critical infrastructure**
- **Concerns over:**
 - Privacy
 - Security
 - Resilience of critical infrastructure
 - Smart cities and IoT security
- **Regulation appears unavoidable**



Regulation is the Domain of Governments



- **How can we ensure that regulation is:**
 - Lightweight and agile
 - Fit for purpose
 - Quick to adapt to technological changes and market dynamics
 - Coordinated and harmonised with global standards and practices
 - Conducive to innovation and industry growth

Greater Public-Private Coordination



- **Dialogue between stakeholders more crucial than ever**
 - Each actor has its own role and area of responsibility
 - Need to understand various goals and objectives
- **Government can create an enabling environment**
 - Encouraging Internet Exchange Points (IXPs) and peering
 - Supporting IPv6 deployment
 - Sharing its concerns and opinions in technical community discussions



RIPE NCC and Regulation

Aligning Governments and Industry



- **Existing Internet governance model has delivered**
- **Governments need up-to-date knowledge**
- **Regulation should ensure that it matches current needs**
- **Global compatibility and interoperability need to be maintained**
- **Global public-private dialogue is required**

RIPE NCC's Role



- **Facilitate sharing of knowledge and best practices**
- **Provide expertise to encourage 'smart' regulation**
- **Relay concerns in both directions**
- **Encourage dialogue between regulatory bodies and the industry**
- **Create public awareness about these issues**



Questions



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