

Fourth Generation Regulation: Driving Digital Communications Ahead

Telecommunications Regulatory Affairs Advisory Committee
22 August 2013

Purpose

- To brief Members about
 - the key issues raised in the ITU's 13th Global Symposium for Regulators and Regulatory Associations Meeting held in Poland from 3 to 5 July 2013

The Main Theme

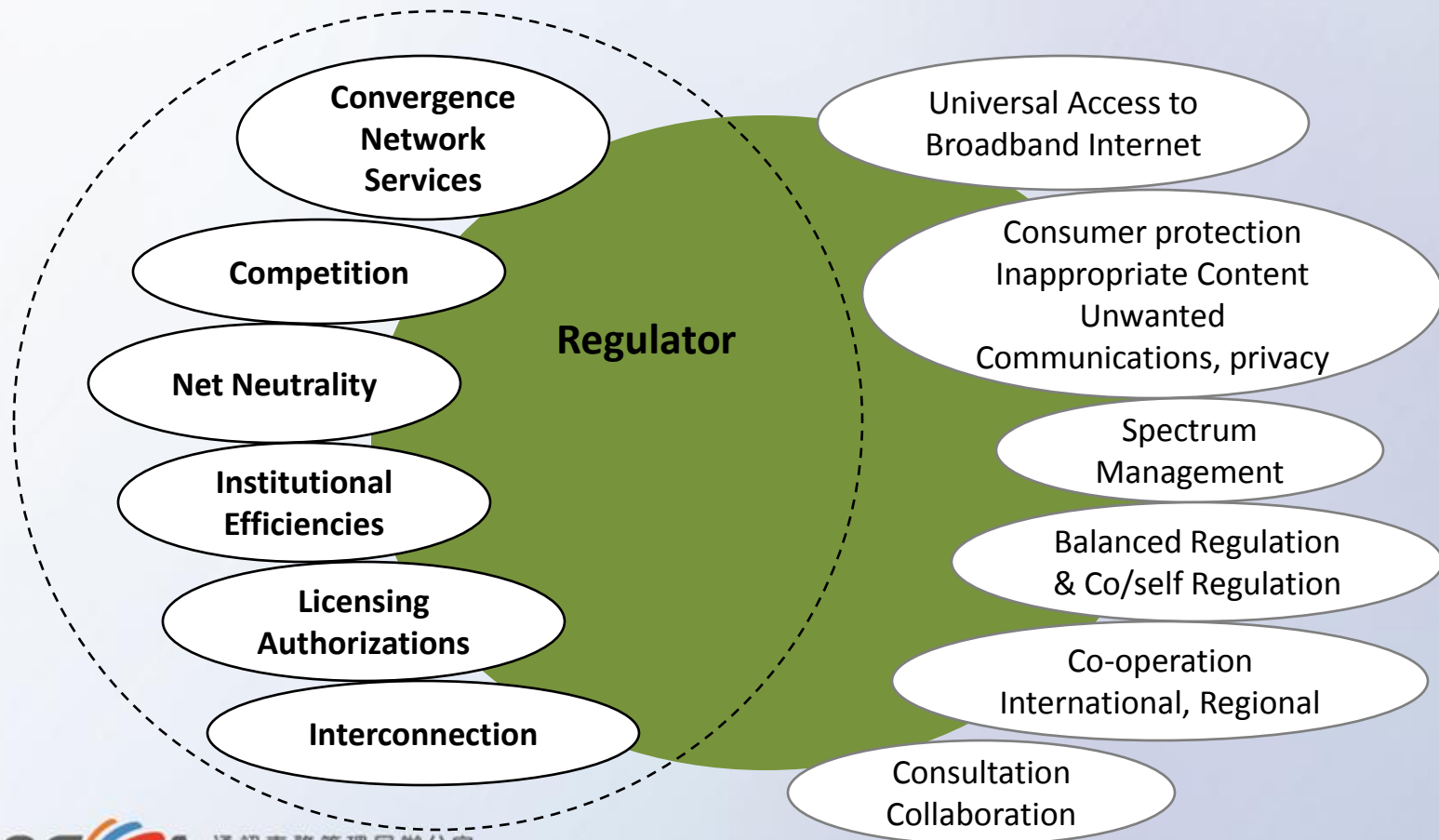
- 4th generation regulation
 - to examine the transformational nature of communications and the evolution to 4th generation ICT regulation in a connected society
 - to identify best practice guidelines on the evolving role of regulation and the regulators in a digital environment

Evolution of Regulations

- 1st generation
 - to regulate the PSTN monopoly for efficiency
- 2nd generation
 - to regulate to break the PSTN monopoly for liberalisation
- 3rd generation
 - to regulate the new networks and services for net neutrality
- 4th generation
 - to regulate light-handedly for growth and cooperation

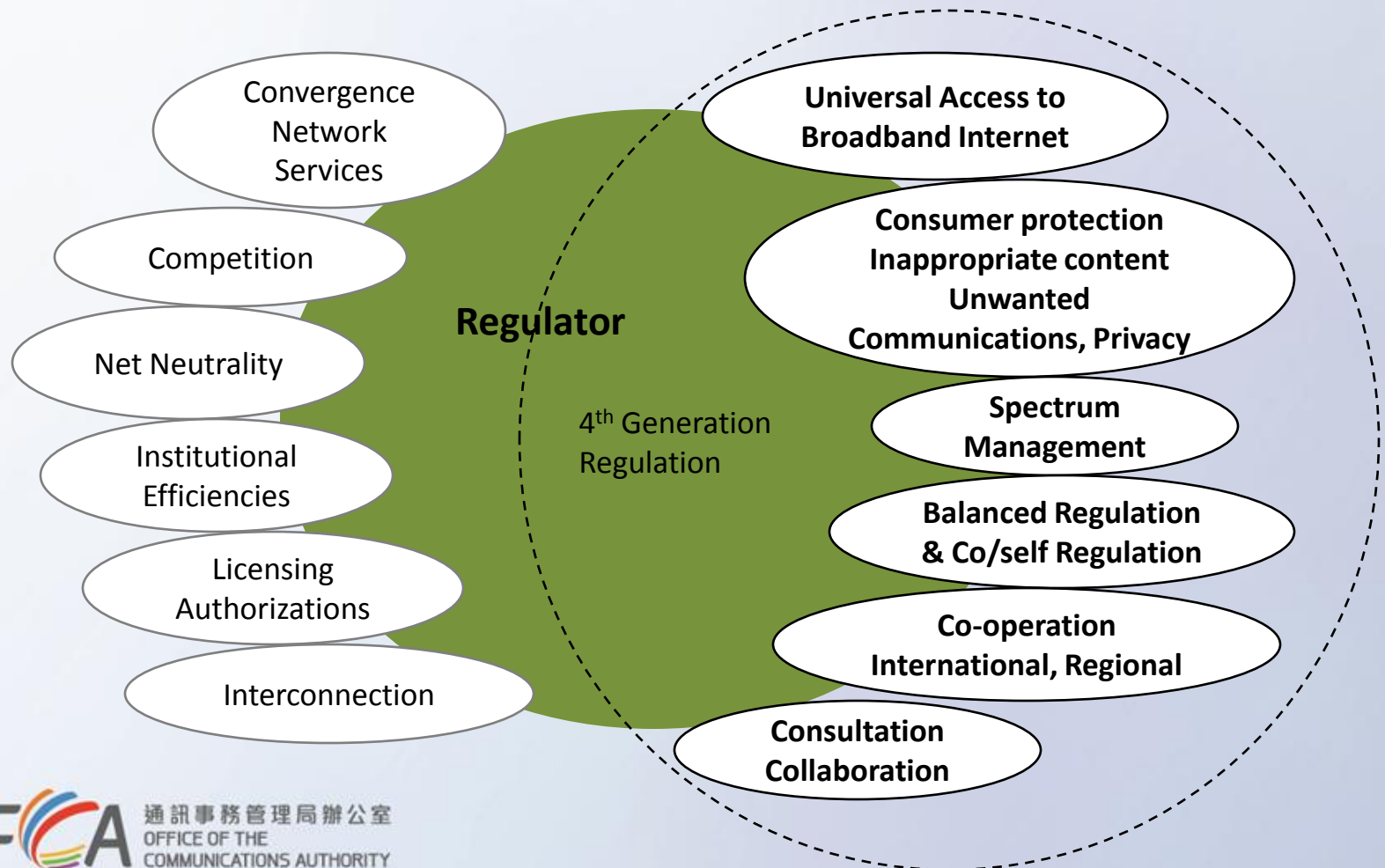
Evolving Role of Regulators

- Previous focuses of regulators were on trends of technology convergence and changing face of competition



Evolving Role of Regulators

- Now evolving to 4th generation regulation for growth and cooperation



Best Practice Guidelines for Regulators

- Regulatory approach
 - to adopt innovative and smart regulatory approach in a convergent environment to foster equal treatment of market players without putting extra burden on operators and service providers
- Evolving role of regulator
 - to act as a partner for development and social inclusion
- Structure of regulator
 - to be more reactive and flexible as new technologies and services emerge and converge

Other Specific Issues

- Building the future digital society
 - to develop and extend the rollout of broadband infrastructure
 - to promote wider use of ICTs so that all individuals and communities can participate in the informational society
- Looking for spectrum
 - to make use of TV white spaces as additional frequency spectrum to support ongoing explosive growth in wireless services and applications

Other Specific Issues

- Migrating from IPv4 to IPv6
 - to ensure sufficient growth capacity of IP addresses for billions of new Internet-enabled devices
- Maximizing the potential of universal service fund (USF)
 - to consider using the USF to address the need for digital inclusion and to review legal and regulatory frameworks to accommodate new objectives and priorities

Other Specific Issues

- Broadband interconnection charging
 - to allow the market to establish interconnection arrangements within a principle of any-to-any connectivity
 - do not extend circuit-switched regulation to IP networks unless justified and proportionate
 - to keep interconnection regulation as simple as possible to avoid unintended consequences
 - ✓ establish “bill and keep” or “free peering” wherever possible
 - ✓ do not mandate minimum quality of service standards, other than those which apply to circuit-switched voice telephony

Thank you