

Commonwealth ICT Round Table

1 - 5 April 2019, London, United Kingdom



Regulating ICTs 01 – 05 April 2019: London, United Kingdom

A workshop for senior officials in ICT policy, regulation and operations

Outline Programme

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| Sunday 31-03-2019 | Delegates arrive in London |
| Monday 01-04-2019 | Setting the Scene: Global Picture |
| 09:30 | Welcome and Icebreaking Exercise Facilitated by Letang Kekwaletswe , Manager Capacity Development and Training |
| 10:00 | Overview of ICT Policy, Regulation and Operation This session examines the growth of ICTs, its current status and its potential contribution to socio-economic growth, including policies and regulation to promote inclusivity. |
| 10:40 | Tea Break |
| 11:00 | Group exercise: Key challenges faced by participants in their countries: This brief session requires participants to highlight the priorities of their countries, and the key challenges they face in their role in delivering on these priorities. The outcomes will be used to shape the discussions that follow, so as to ensure that the workshop provides practical outcomes. |
| 11:45 | Discussion: Challenges of a Regulator in an ICT Landscape The telecommunication industry is evolving towards a future in which IP-based networks are gradually replacing circuit-switched networks, both for fixed and mobile services. While governments and regulators move to embrace this growing reality, operators are adapting to the altered competitive landscape and the emergence of new business models. Even so, regulators will need to ensure effective and reliable network interconnection, in order to maximize value and reach as many customers as possible |
| 12:30 | Network Lunch |
| 13:30 | Internet safety strategy: "Digital Charter" policy concept: Technology is positively and rapidly transforming our economy and society. This pace of change has meant that society needs to catch up with the new challenges that it brings. In particular, there is growing public concern about online safety; this covers a diverse range of issues from online trolling and hate speech to location-sharing within social media platforms. Surveys show |

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| | that for parents and carers, online safety concerns are becoming more prevalent than concerns about more traditional harms such as drinking or smoking. Many women have been subject to aggressive and sustained campaigns of abuse on social media. It is vital that collectively, we address these issues, so that the digital revolution continues to have the support of the British people, and that Britain can remain a world-leading digital economy. |
| 14:15 | National Cyber security Strategies: A Commonwealth Perspective The CTO plays a leading role in enhancing cyber security across the Commonwealth through development of its Commonwealth Approach for Developing National Cyber security Strategies and its practical assistance to Commonwealth countries in putting these strategies in place. This session provides an insight into the work the CTO has been doing in assisting countries develop and implement effective and robust cyber security strategies. |
| 14:45 | Refreshments |
| 15:00 | Over-The-Top (OTT) Service: Challenges & Opportunities This presentation is based on the findings of a study conducted by the Commonwealth Telecommunications Organisation (CTO). The study showed that the majority of ICT stakeholders recognize and appreciate the innovation and emerging services offered by over-the-top services (OTT) applications and the cost cutting benefits to consumers. There is, nonetheless, widespread support for some form of regulation and the need for OTT service owners or providers to contribute towards infrastructure cost, used by their customers to access OTT services. Other reasons include the declining Telecom revenues from Voice and Text messaging that is offered freely by OTT services. The study shows that while larger and more advanced Commonwealth countries have the market scale and regulatory sophistication to take advantage of the application economy, offered by OTT services, this is not necessarily the case with emerging and small markets globally. |
| 15:45 | Artificial Intelligence and Big Data The most dramatic advances in AI are coming from a data-intensive technique known as machine learning. Machine learning requires lots of data to create test and "train" the AI. Thus, as AI is becoming more important to the economy, so too is data. |
| 16:30 | Close of Session/Drinks and Networking |
| Tuesday 02- 04-2019 | ICT Governance, Policies & Regulation |
| 09:30 | Data Regulation: Protection and Privacy Data protection and privacy has never been higher on the corporate agenda. It is imperative that companies – of all sizes, in all industries and across virtually |

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| | every jurisdiction – prioritise data management if they hope to fully exploit the opportunities of the digital age while remaining compliant with the raft of new legislation coming into force. |
| 10:15 | <p>Improving data protection laws: A three dimensional approach.</p> <p>In each of the 53 Commonwealth countries, data protection is regulated by domestic laws. There is no legally-binding regime applicable to all Commonwealth jurisdictions. To help member countries develop more effective national legislation in this area, the Commonwealth provides a model legal framework for control over collection, access to, use of, and dissemination of data stored in digital and paper-based systems. Addressing frameworks for cyber security, updating data protection legislation and balancing access to information with privacy protections. These factors have a significant impact on trade and development, particularly for developing countries with weaker legislation around the exchange of electronic data</p> |
| 11:00 | Tea Break |
| 11:10 | <p>Cyber Crime against Children: Tackling child sexual abuse imagery online</p> <p>Protecting children online is a global challenge, which requires a global approach. The Internet Watch Foundation will share case studies of their international work that equips Commonwealth nations with mechanisms to report, block, remove and disrupt online imagery of child sexual abuse.</p> |
| 11:45 | <p>Cyberspace – Internet</p> <p>Cyberspace encompasses the internet, mobile and fixed-line access, all the networked machine-to-machine communications and other networked communications that are beyond the World Wide Web and the content that runs through it. Cyberspace provides unparalleled access, helping to bridge the digital divide while influencing every aspect of economic and social activities. The way Cyberspace is leveraged for socio economic growth and its governance are key challenges for policy makers and regulators.</p> <p>Domain Name System (DNS)</p> <p>The Domain Name System (DNS) is the addressing system of the internet that routes traffic. ICANN's management of the DNS is key to public 'consumption' of the internet as we know it</p> <p>Generic Top Level Domain Names (GTLDs)</p> <p>ICANN delegated a number of Generic Top Level Domain Names in 2016. Some such as .shop, .rugby and .phone are generic names while others such as .airbus, .volvo and Wal-Mart are trade names with some others being city/location names such as .London and .Berlin. The next round of GTLDs is due to be announced soon.</p> |
| 12:30 | Networking Lunch |

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| 13:30 | <p>Countering Violent Extremism– Preventing Terrorist Use of the Internet to Promote violent extremist</p> <p>When someone becomes radicalised and behaves in an ‘extreme’ way, this does not only affect the person, but also their family, friends, wider social circle and society. Families, youngsters and children are confronted with recruitment by terrorist/Violent Extremist groups. Today’s reality is one in which radicalisation is not uncommon as a phenomenon. For vulnerable individuals and their social environment</p> |
| 14:15 | <p>The Internet Platform: Over-The-Top Services and Net Neutrality</p> <p>OTTs are making gains over the traditional communication providers to an extent where Telco’s have expressed concern. On the other hand these services, at small or no incremental cost, have proven to be very popular. However most of these services are beyond the control of the regulators.</p> |
| 15:00 | Refreshment |
| 15:10 | <p>Growth in the Satellite Industry – Policy and Regulatory Challenges</p> <p>Satellite broadband enables new applications that provide services to mobile sites – for example, ships, trains, planes and vehicles and has the potential to accelerate the availability of high-speed Internet services in developing countries, including the least-developed countries, the land-locked and island nations, and economies in transition. However, current licensing and regulatory regimes have failed to keep pace with innovations in the space sector, especially the growth of small satellites and satellite constellations</p> |
| 16:00 | <p>Block chain Technology and Regulation</p> <p>This session will provide participants with an understanding of the regulation of Block chain and its applications including virtual currencies and crowd funding. The following issues will be addressed:</p> <ul style="list-style-type: none"> • How states around the world are regulating blockchain technologies? • The best way to encourage safe domestic and inbound innovation • The risks of decentralised virtual currencies and how those risks may be addressed? • How the use of identity protocols will foster the growth of compliant block chain applications. |
| Wednesday 03-04-2019 | ICT Sector Coordination and Regulation |
| 08:45 | Depart to GSMA , The Walbrook Building, 25 Walbrook, London EC4N 8AF |
| 10:00 | <p>Presentations at GSMA</p> <p>A team of high level GSMA executives will deliver presentations relating to its organizational structure as well as its regulatory and operator activities and</p> |

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| | also presents its view on Spectrum Pricing and 5G. |
| 12:00 | Network Lunch in London |
| 14:30 | Industry Visit OFCOM (Riverside House, 2a Southwark Bridge Road, London, SE1 9HA) |
| 15:00 | Participants will hear from Ofcom, UK's electronic communications regulator, on practical experiences on: <ul style="list-style-type: none"> • Introduction to Ofcom (independence, governance, converged regulatory model) • Universal Service broadband • External Relations - between Ofcom and the Policy Makers • Ofcom's views on Net Neutrality and regulation of OTT services |
| 17:00 | Close of sessions for the day |
| Thursday 04-04-19 | ICT Infrastructure and Investment |
| 10:00 | Governance Structure for Effective ICT Implementation Information Communication Technology (ICT) Governance has been described as the effective and efficient management of ICT resources and processes to facilitate the achievement of Municipal goals and objectives. Further, an ICT Governance framework is meant to align ICT functions to the municipal goals, minimize the risk ICT introduces and ensure that there is value in the investment made in ICT |
| 10:45 | Investment in ICT Investment in ICT infrastructure, such as broadband rollout, is a vital step to promote economic development and social integration. The use of Universal service obligation in funding. The recent EU proposal to fund investment in rural broadband infrastructure is an example of this. Such investment in physical infrastructure must be complemented by initiatives to develop the skills that will be needed to extract value from this investment. Training and learning programmes, including certification schemes, must be a key component of initiatives that will assist in maximising the potential offered by enhanced broadband provision in rural areas. |
| 11:30 | Refreshment |
| 11:40 | Leveraging ICT For Global E-COMMERCE In today's competitive marketplace, ecommerce provides a lower risk, faster avenue to enter and test international markets. When properly executed, this approach will go a long way to differentiate brands and build customer loyalty; however, ecommerce expansion is not a one-size-fits-all solution |
| 12:25 | Emerging Post and E-Commerce Services |

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| | <p>In the last few years, postal sector has been changing more rapidly than ever before. Both retailers and consumers are increasingly shifting their habits from the need of traditional postal services to the necessity of operations related to e-commerce. Therefore, e-commerce has become one of the most important business pillars for both postal operators and their competitors, as well as for regulators. In this context the regulator's role becomes ever more important to ensure a healthy postal service that also delivers on universal service.</p> |
| 13:00 | Network Lunch |
| 14:00 | <p>Dynamic Spectrum Management The dynamic spectrum access, is a set of techniques based on theoretical concepts in network information theory and game theory that is being researched and developed to improve the performance of a communication network as a whole. The concept of DSM also draws principles from the fields of cross-layer optimization, artificial intelligence, machine learning etc. It has been recently made possible by the availability of software radio due to development of fast enough processors both at servers and at terminals. These are techniques for cooperative optimization.</p> |
| 14:45 | Refreshment |
| 15:00 | <p>Mobile for Development: Mobile for Humanitarian Innovation. With a quarter of the world's refugee population in Sub-Saharan Africa, new approaches and partnerships to delivering aid and supporting affected communities are required. There is a growing appetite to partner in new ways with the private sector, integrate innovation and use technology to increase accountability, efficiency and impact, driven in part by the expanding need.</p> |
| 15:45 | Close of sessions for the day |
| Friday 05 -04- 2019 | Industrial visit to Huawei Technologies |
| 08.45 | Take aways Depart from CTO to Huawei RG2 6UF |
| 10:30 | <p>Presentation by Huawei</p> <p>Huawei policies;</p> <ul style="list-style-type: none"> • Growth of Huawei throughout the world; • Consumer interests and concerns; • Huawei Technologies on the evolution of telecom networks for the provision of new advanced services. • Corporate Governance and 5G the road to a super connected World |
| 12:30 | Network Lunch |



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| 14:00 | Depart to CTO Head Quarters |
| 15:00 | Presentation of Certificates and Takeway |
| 16:00 | Close of Programme |