

e-COMMONWEALTH

A NEWSLETTER OF THE COMMONWEALTH TELECOMMUNICATIONS ORGANISATION

//DECEMBER 2016

MOZAMBIQUE TO HOST 2017 CTO COUNCIL AND FORUM

CTO UPCOMING EVENTS 2017

CTO CONTRIBUTES TO
DISCUSSIONS AT IGF 2016



CELEBRATING
115
Years
1901 - 2016
FROM SUBSEA TO CYBERSPACE



Farewell to last 2016 Commonwealth Fellows

//EDITORIAL



Shola Taylor
Secretary-General

Dear reader,
Welcome to the last edition of e-Commonwealth for 2016! The past 12 months were rich in developments for ICTs, not only for the CTO, but throughout the Commonwealth.

One key development for the CTO was the re-engagement of members Grenada, India and Vanuatu, as well as the admission of Gibraltar, Samoa and Tuvalu. 2016 also saw us celebrate the 115th anniversary of the CTO with a number of activities, most notably the first Commonwealth ICT and Industry Awards, which brought to light leading initiatives by our members.

The CTO's engagement with member countries improved significantly through intra-Commonwealth collaboration, starting with the Commonwealth Secretariat but also with other sister agencies such as the Commonwealth Local Government Forum and the Commonwealth Parliamentary Association.

One important development beyond the CTO was the arrival of Secretary-General Patricia Scotland QC as the first woman head of the Commonwealth Secretariat, and we are excited by her commitment to make use of technology in promoting good governance, human rights and social inclusion. The most recent of our collaborations was manifest in our contribution to a workshop held in Windhoek, Namibia which was aimed at raising awareness of cybersecurity and cyber crime among parliamentarians across the Commonwealth.

Whilst we can proudly celebrate these initiatives and many others, much remains to be done, especially in the context of the role of ICTs in the implementation of the Sustainable Development Goals. So we have a range of activities planned for 2017 to make the CTO and the Commonwealth key support mechanisms in the use of technology in the development efforts of our member countries and the global community, and we eagerly hope to count on your participation in some way.

I wish you every success for 2017.//

//RECENT DEVELOPMENTS

Commonwealth deepens engagement with parliamentarians on cybersecurity through the Commonwealth Secretariat

While cyberspace provides numerous and new opportunities for economic and social empowerment, citizens are also increasingly exposed to cybercrime, an area for which legislation is still in infancy in many countries. Engaging parliamentarians on ICT issues is necessary to ensure adequate and timely legislation is adopted to allow citizens to benefit from technological innovation.

On 28 November - 1 December 2016 a workshop on cybersecurity and cybercrime awareness was delivered for parliamentarians in Windhoek, Namibia by the Commonwealth Secretariat, the Organisation of American States and the Commonwealth Parliamentary Association UK. The workshop was an excellent opportunity to reach out to members of parliament ICT committees from

Commonwealth countries.

"Parliamentarians and local government elected representatives come from a wide variety of backgrounds but, very rarely, from the ICT sector. Still, they are required to

legislate on cybercrime and this requires a good understanding of cyberspace and cybercrime. The CTO considered it essential to contribute to this workshop," said Marcel Belingue, Senior Manager, Membership & Communications, who lead discussions on the process of developing national cybersecurity strategies



Marcel Belingue, Senior Manager, Membership & Communications leading the workshop.

during the event.

The CTO has been working with member countries since 2014 on developing their national cybersecurity strategies and the adoption of cybersecurity standards, initiatives that require the engagement of key national stakeholders, including parliamentarians.//

Mozambique to host 2017 CTO Council and Forum



Maputo, the next destination of the CTO's annual Forum and Council meeting.

Mozambique's telecoms regulator, Instituto Nacional das Comunicações de Moçambique (INCM), will host the 2017 annual meeting of the CTO Council and the adjacent Forum, the largest annual public and private sector event of the CTO.

It is the first time the events will be held in the lusophone country, which joined the Commonwealth in 1995. The 2016 event took

place in September in Nadi, Fiji.

"We are very excited and look forward to being in Maputo for what are effectively the most important annual gatherings of our members," the CTO's Secretary-General Shola Taylor said.

The Council meeting will review the results of the first 12 months of the implementation of the CTO's Strategic Plan for 2016 - 2020.//

//EVENTS & CONFERENCES

CTO upcoming events 2017

Plans for the CTO's conferences and events in 2017 are well under way and we have an exciting series of events coming up. CTO events promote discussion and information dissemination on priority areas and are part of our commitment to promote the efficient development of ICTs within the Commonwealth.

commonwealth TransformingTelcos'17 Africa

26 - 27 JANUARY 2017 JOHANNESBURG, SOUTH AFRICA

The first event of 2017 is the Transforming Telcos round table which will examine the changing competitive landscape of the telecoms sector.

Fixed-line operators require support to manage the transition to a converged environment. It is well known that for operators to succeed, and indeed survive, in the current operational environment it is necessary to improve current provisions and supply new offerings to retain and expand market share. The status of leading fixed-line operators in each country across the world is changing and incumbent operators no longer have unabated market dominance. At the same time, while regulatory regimes have called for the restructuring of operators, operators themselves have turned to amalgamation and consolidation. This has led regulators to unbundle the network to split companies into wholesale and retail to ensure a level-playing field.

The programme will provide delegates with an opportunity to share practices, identify gaps in knowledge and learn from experts who have hands-on experience of this transition such as BT.

commonwealth ICTApplications'17

15 - 16 FEBRUARY 2017, KIGALI, RWANDA

ICT applications hold great potential to promote socio-economic development through e-governance, e-health, e-education and e-agriculture, among others. They can also promote the utilisation of ICTs for social and economic benefit and the empowerment of women, young people and those with various disabilities.

The first Commonwealth ICT Applications Forum will focus on promoting ICT entrepreneurship as a first step towards an e-enabled society and will hear from the winners

of the Commonwealth Youth ICT Awards 2016 – Giftedmom of Cameroon and Jaguza Livestock App of Uganda as well as featuring a showcase of Rwandan apps and a hackathon-style app development competition.

Discussion will centre on promoting entrepreneurship and innovation through policy and regulation, funding sources and developing a local app industry.

commonwealth DigitalBroadcasting Caribbean

8 - 10 MARCH 2017, KINGSTON, JAMAICA

The CTO has been at the forefront of supporting policy makers, regulators and operators as they have transitioned to digital broadcasting over the last decade. The Digital Broadcasting Caribbean Forum 2017 will provide participants with the opportunity to learn from each other about successes in the field of digital broadcasting, as well as the challenges posed for the future. Participants from across the Caribbean will hear about strategies for transitioning Caribbean broadcasting to the digital era.

commonwealth CyberSecurity'17

22 - 24 MARCH 2017, LONDON, UK

Cyberspace not only delivers socio-economic development but also facilitates understanding between countries, communities and people. However, cyber attacks and cybercrime prevent the global ICT community from drawing the full benefits of cyberspace. Responses to these challenges require a very high degree of international cooperation.

The Commonwealth, built on consensus and mutual support, is an ideal platform to build international cooperation on various aspects of cybersecurity. CTO's Commonwealth Cybersecurity Forum brings together cybersecurity stakeholders from across the Commonwealth, from policy makers, regulators and implementing agencies to private sector and civil society. This year's event will examine how to move from cybersecurity strategies to implementation, looking at, among other topics, the changing workplace and the ICT landscape of tomorrow. The keynote speech will be delivered by Dr Chaesub Lee, Director - Telecommunication Standardization Bureau of the International Telecommunication Union,

who will discuss a strategic approach to cybersecurity.

commonwealth ICTInvest'17

10 - 12 APRIL 2017, DUBAI, UAE

As the ICT sector continues to grow at an exponential rate, it requires continual investment. In addition to traditional forms of investment, novel mechanisms of financing, such as multistakeholder partnerships, can also nurture innovative ICT projects during the formative period.

The Commonwealth ICT Investment Forum for Emerging Markets will bring together potential investors in innovative ICT projects in a manner which will benefit not only the relevant stakeholders but the ICT sector as a whole. The event will examine financing ICTs for sustainable development and will include presentations, showcases, bilateral discussions and project pitches.

commonwealth Broadband'17 Africa

31 MAY - 2 JUNE 2017, JOHANNESBURG, SOUTH AFRICA

commonwealth Broadband'17 Pacific

25 - 27 JULY 2017, APIA, SAMOA

The next Commonwealth Broadband Africa Forum will take place in Johannesburg, South Africa, on 10 to 12 April and will be followed by the Commonwealth Broadband Pacific Forum on 18 to 20 July in Apia, Samoa.

Universal and accessible broadband is key to achieving inclusive and sustainable growth and these events will build on the progress of previous CTO broadband events. Africa and the Pacific face markedly different challenges in their efforts to extend broadband to all of their citizens, while both regions acknowledge the potential broadband has to accelerate economic growth and social development. These events will examine the barriers to growth, share good practices and discuss innovative ideas and technologies to connect communities from a regional perspective.

The CTO looks forward to your contributions to these discussions as we move forward into 2017.

2016 IN PICTURES



The Honourable Patricia Kaliati, Minister of Information and Civic Education, Malawi and Shola Taylor, Secretary-General, CTO.



Ed Vaizey, Minister of State for Digital and Culture, UK and Shola Taylor, Secretary-General, CTO.



Shola Taylor, Secretary-General, CTO and Maxie Cuffie Minister of Public Admin and Communications, Trinidad & Tobago.



Commonwealth ICT Ministers Forum 2016, London, UK.



Participants at the Commonwealth Telecommunications Organisation Forum 2016, Nadi, Fiji.



Participants at the ITU Telecom World 2016 panel discussion on spectrum.



Patricia Scotland and Shola Taylor meeting in London.



//RECENT DEVELOPMENTS

CTO contributes to discussions at IGF 2016

CTOs continue to transform our lives, changing the way we communicate, transact business, and access information. However, there is a well-documented digital divide with over two billion people worldwide unable to access the Internet. In order to facilitate global discussion on public policy issues related to Internet governance, the World Summit on the Information Society requested the UN secretary-general to establish a forum for multi-stakeholder policy dialogue. And so the Internet Governance Forum (IGF) was born.

The IGF is an open forum where all stakeholders have an equal footing, and is a space to shape decisions that will be taken in other fora. The Commonwealth IGF (CIGF), coordinated by the CTO, seeks to encourage greater participation from Commonwealth member states on policy issues and discussion, with a view to coming up with informed solutions or pooling of good practice to address their needs more directly.

IGF2016 took place in Mexico from 6



Shola Taylor, Secretary-General, CTO participating in a panel discussion at IGF 2016.

to 9 December, examining how to enable inclusive and sustainable growth and Shola Taylor, CTO secretary-general, was there to convene the CIGF. Delegates heard about CTO activities relating to Internet governance, the Commonwealth Cybercrime Initiative and IGF plans for connecting the next billion. They also discussed applying the shared values and principles of the Commonwealth (as encompassed in the Commonwealth Charter) to Internet governance as a way of maintaining cyberspace as a place that fosters interactions, innovation and entrepreneurship.

"The sustainable development goals place ICTs at the centre of global and national development efforts and the CTO are honoured to contribute to discussions on how the IGF can help achieve the SDGs," said Shola Taylor, secretary-general of the CTO. "The Commonwealth represents a unique subset of the global community and, as such, can contribute a unique voice to global consultations. The CIGF was an enthusiastic and informative event and I would like to thank all the participants for their contribution to the discussions."/>

Malawian and Nigerian complete three-month fellowships on cybercrime and OTTs



Richard Eyo (right) from Nigeria receiving his award from Georges Aboua, Ivory Coast, Ambassador to the UK.



Lusungu Mkandawire from Malawi (right) receiving his award from the representative of the Malawian High Commissioner to the UK.

Commonwealth scholarship fellows Lusungu Mkandawire and Richard Eyo presented the findings of their research work to an audience of CTO staff and guests.

Lusungu Mkandawire, information security manager for Airtel Malawi, examined strategies to enable Malawi's telecommunications sector to better tackle cybercrime. By examining good practices internationally, he was able to finalise recommendations which will now be submitted to the relevant authorities in Malawi.

"I would like to congratulate the two fellows on the quality of their reports and the real value their work will add to the CTO and our members," said Shola Taylor, the CTO's

secretary-general.

Present among the guests were His Excellency Georges Aboua, the ambassador of Côte d'Ivoire to the UK.

"I was pleased to discover what the CTO does, particularly in terms of developing young professionals, and I must commend secretary-general Shola Taylor and his staff for this important work," Mr Aboua said.

Richard Eyo, deputy policy and research manager with the Nigerian Communications Commission, researched the dynamics of over-the-top (OTT) services in order to begin work on a framework for OTT service providers, policymakers and regulators in

Nigeria and beyond.

"The Commonwealth Scholarship Commission's professional fellowship with the CTO was an excellent opportunity for me," said Mr Eyo. *"I have learned a lot on issues around OTTs and I hope that my work will contribute to Nigeria and other countries' approach to dealing with the impact of OTT services in their national markets."*

"This programme has allowed me to understand the extent of cybercrime globally, and also to recommend what the government of my country can do to address this," added Mr Mkandawire."*//*

//MEMBER NEWS

BT named market leader for UCaaS in Asia-Pacific

BT was ranked as market leader for the 'universal communication as a service' category in the IDC MarketScape in the recent Asia-Pacific Managed Security Services 2016 Vendor Assessment report.

BT moved from the major player category to the leaders category in the report. The report noted BT's growth in the Asia-Pacific cybersecurity market and its "cloud of clouds for security" strategy. IDC MarketScape also noted BT's significant investments in internal

security R&D.

The report identifies BT's strengths in the following:

- BT's progress in terms of security business execution over the past 12 months of 2016.
- BT's presence in the banking and financial services vertical market.
- BT's progress and future blueprint for building new security operations centre in Asia-Pacific

Kevin Taylor, President Asia-Pacific, Middle

East and Africa, BT, said: *"We are delighted to be named as a leader for managed security services in Asia-Pacific by the IDC MarketScape. This recognition highlights BT's continued investments in its security capabilities and the outstanding progress made over the past year. The result also demonstrates the success of our "cloud of clouds" strategy and BT's ability to offer its customers scalability, flexibility and performance within a secure environment."*

Intelsat and Orange Partner to expand 3G connectivity in Cameroon

Intelsat announced that the Orange Group has renewed an agreement for satellite solutions and support that will bring 3G services to existing customers of Orange Cameroon as well as expand the network's reach to remote regions of the country.

Orange currently provides 2G services using satellite infrastructure provided by Intelsat. Under the new agreement, the Orange network will expand its geographic footprint and add a 3G offering by leveraging C-band solutions. Orange will expand its service territory to currently underserved remote regions of the country and deliver data services for businesses in the region, stimulating economic growth in

the country.

"Intelsat has been instrumental in our efforts to expand 2G and 3G connectivity throughout Cameroon," said Bénédicte David, West and Central Africa Regional Director for Orange. *"As demand for connectivity grows beyond city centers, communities need faster, more reliable broadband connectivity to support business growth as well as critical healthcare and educational services. With our enhanced infrastructure, we will be able to offer upgraded, differentiated services to our customers, expand our subscriber base and extend our geographic reach to the benefit less densely populated areas of the country."*

"As part of our ongoing relationship with Orange, we understood that deploying 3G services was a critical component of its business plan," said Brian Jakins, Intelsat's Vice President, Africa. *"We assessed their network and developed an extension strategy that addressed their performance and business model requirements, providing the additional coverage and throughput they needed to meet their customers' demands. Using our expertise, Intelsat's goal is to ensure that our customers are always getting the maximum performance from their network and delivering an exceptional experience to their end users."*

The Government of Trinidad & Tobago discusses ways to meet citizens' ICTs needs

Twenty three Latin American and Caribbean countries, and representatives of Korea, Spain, Estonia and the United Kingdom, multilateral agencies and international experts met at the 10th Annual Meeting of the Gealc Network, co-organized by the Chile Government, the Organization of American States (OAS) and Inter-American Development Bank (IDB).

"The Government of Trinidad & Tobago must find ways to meet citizens' needs even though it is operating in a difficult economic environment which demands both public restraint and greater efficiency," said The Minister of Public Administration & Communications, the Honourable Maxie Cuffie, in a panel discussion on *"Digital*

Government as a Transformation Tool" at the annual meeting.

He referenced the IDB study which identified a number of areas that require improvements such as making appointments at public hospitals and registering children in schools. The Honourable Cuffie believes that technology should bring about changes.

He said the IDB study not only called for greater use of ICT in delivering public services but it showed that citizens are demanding it.

The Honourable Cuffie is among over fifty ministers and industry experts who discussed the lessons learned, trends and regional perspectives in the use of technology as a cross-cutting tool to place the state at the service of citizens. //

SES: "Satellite technology offers solutions to the digital divide"

Internet access is the key to tackling global challenges related to health and education and economic empowerment. In its recent white paper "E-inclusion: Satellites are the Answer", the company argues that its global fleet of satellites and innovative applications are the solution to these challenges.

"SES has built on the strength of satellites to provide borderless connectivity and created a completely global network that reaches 99% of the world's population," the White Paper describes.

"As governments look for innovative solutions to achieve development goals, SES's powerful collection of reliable e-inclusion services will be there," concludes the White Paper. *"From emergency to e-microfinance, SES projects demonstrates how satellite technology improves and saves lives."*

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cybersecurity: from strategies to implementation

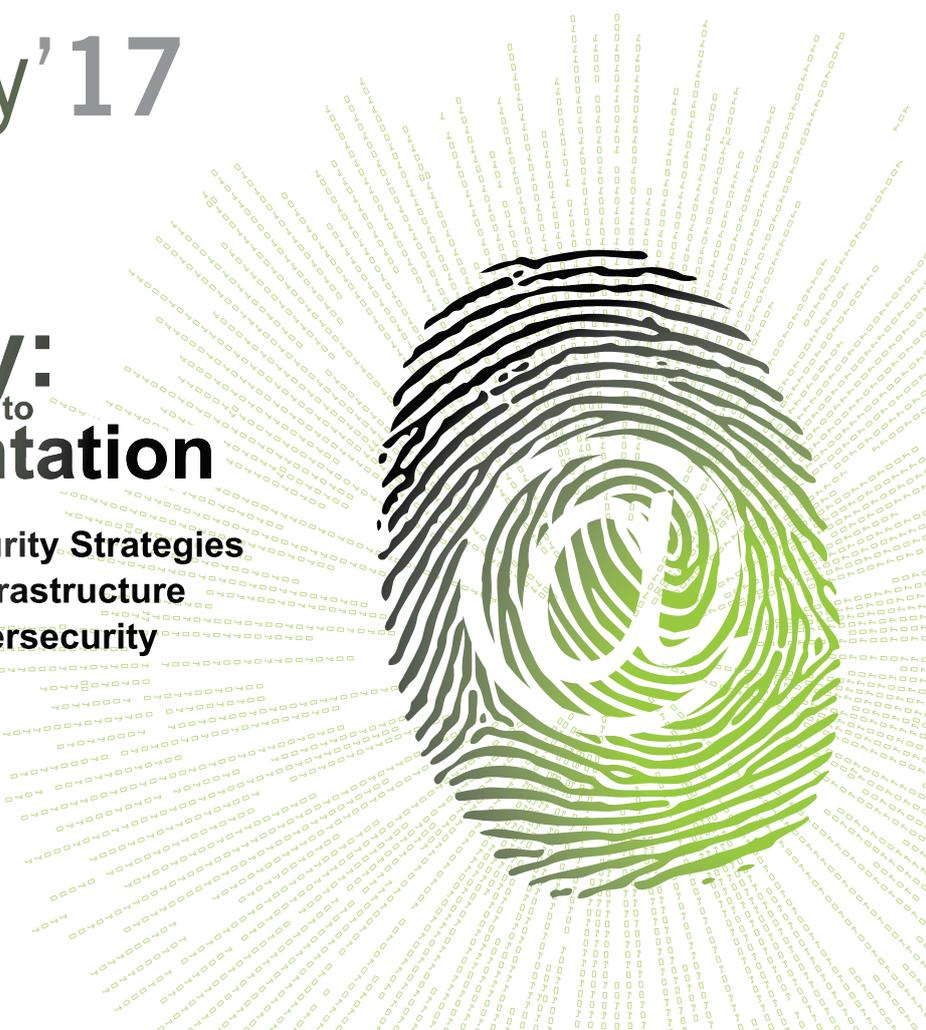
Implementing National Cybersecurity Strategies
Protecting Critical Information Infrastructure
Cross border cooperation in Cybersecurity
Economics of Cybersecurity
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