



OFICINA DEL COMISIONADO MARIO GERMÁN FROMOW RANGEL
IFT/100/Pleno/OC-MGFR/015/2017

Ciudad de México a 8 de agosto de 2017

PLENO DEL INSTITUTO FEDERAL DE TELECOMUNICACIONES
P R E S E N T E

Me permito presentar el informe de mi participación en representación del Instituto y en calidad de panelista en el 17º Simposio Mundial para Organismos Reguladores (GSR-17), organizado por la Unión Internacional de Telecomunicaciones (UIT) en colaboración con el Gobierno de Bahamas, llevado a cabo en Nassau, Bahamas, del 11 al 14 de julio de 2017.

El GSR es un evento anual que desde el año 2000 reúne a las autoridades de los organismos nacionales de regulación de telecomunicaciones y de las tecnologías de la información y la comunicación (TICs), y en general a los Miembros del Sector de Desarrollo de las Telecomunicaciones de la UIT (UIT-D), para intercambiar puntos de vista, experiencias y mejores prácticas regulatorias y de política pública respecto a temas relevantes de este sector.

Previo a las sesiones formales del GSR se llevó a cabo el "Global Dialogue on Digital Financial Inclusion: The Security of Digital Financial Services", en el que se abordaron temas relativos a:

- Tecnologías que protegen las transacciones electrónicas.
- Simulación y resolución de ataques cibernéticos.
- Responsabilidad colectiva para asegurar la fiabilidad, seguridad y confianza de los servicios financieros digitales.

Por su parte el GSR abarcó temas relacionados con:

- Inteligencia artificial, realidad virtual, algoritmos y robots como impulsores de la transformación digital.
- Regulación colaborativa en un ecosistema digital.
- Fiabilidad de redes y dispositivos para servicios digitales.
- Acceso asequible a las TICs en una economía colaborativa.
- Itinerancia en el mundo digital.

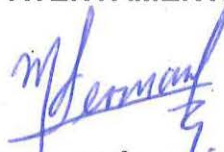
Asimismo, por invitación expresa de los organizadores el suscrito participó en la sesión denominada "Collaborative Regulation in a Digital Ecosystem: New Regulatory Paradigms" en el que tuve la oportunidad de resaltar avances en el país en materia de telecomunicaciones y radiodifusión derivado de la reforma constitucional de 2013, destacando que para la emisión de diversas disposiciones por parte del Instituto se han contemplado las mejores prácticas regulatorias internacionales y se han llevado a cabo consultas públicas, con el fin de que la regulación genere confianza a las inversiones para incentivar el despliegue de infraestructura y la innovación de nuevos servicios y tecnologías en beneficio de la sociedad en su conjunto.

Se anexa el programa del simposio en cuestión.

Por otra parte, participé en la Reunión Regional de Asociaciones de Reguladores y sostuve reuniones de trabajo con Houlin Zhao, Secretario General de la UIT y Brahim Sanou, Director de la Oficina de Desarrollo de las Telecomunicaciones de la UIT; así como con representantes del Foro Económico Mundial, la Comisión Federal de Comunicaciones de los Estados Unidos de América y autoridades regulatorias de Colombia, Costa Rica y República Dominicana.

Finalmente, con la participación en este evento se cumplió con el propósito de generar vías de cooperación o áreas de influencia conjunta con autoridades de organismos reguladores y entidades de gobierno de otros países sobre temas en el ámbito de competencia del Instituto.

ATENTAMENTE



**M. en C. MARIO GERMÁN FROMOW RANGEL
COMISIONADO**

Global Symposium for Regulators (GSR-17) Programme

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TUESDAY 11 JULY

Opening Remarks
9:00 - 9:30



The Hon. Kevin Peter Turnquest
Deputy Prime Minister & Minister of Finance

The Commonwealth of The Bahamas

ITU



Mr. Brahima Sanou
BDT Director
International Telecommunication Union

Cyber Attack : Setting the Scene
9:30 - 9:45

During this short session, Prof. Marco Gercke from the Cybercrime Research Institute will give a preliminary introduction to the High-Level Simulation that will take place from 15:45 to 17:00.

Speaker



Mr. Marco Gercke
Director
Cybercrime Research
Germany

Technologies that Protect e-transactions

10:15 - 12:00

This session will explore how to protect new financial technologies such as digital currencies and wallets, distributed ledger technologies and blockchain, as well as the role of regulations in this dynamic environment, touching on issues such as artificial intelligence, digital authentication, and cyber threat intelligence for the financial sector, for example.

Moderator



Mr. Ram Sewak Sharma
Chairman
Telecom Regulatory Authority of India (TRAI)
India

Panelists

Mr. John Rolle
Governor
Central Bank
The Commonwealth of The Bahamas



Mr. Oliver Gale
Co-Founder and President
Bitt Inc.



Mr. Giovanni M. King
Chief Operating Officer
Directorate General for Energy, Telecommunications and Competition, Curacao
Netherlands



Ms. Sue Kelsey
Senior Vice President & Group Head, Global Product Management
Mastercard



Professor Mark Jamison
Director
Public Utility Research Center, University of Florida

Information Session by ITU-R and ITU-T: 5G

12:00 - 13:00

5G roadmap: challenges and opportunities ahead

The 5th generation of mobile technology — "5G" —will enable a seamlessly connected society in the 2020 timeframe and beyond (ITU standards IMT2020) bringing together people along with things, data, applications, transport systems and cities in a smart networked communications environment, driven by 3 cornerstones: 1. Enhanced mobile broadband; 2. Ultra-reliable low latency communications; 3. Massive machine type communications. These drivers entail a set of mutual synergies but also trade-offs that need to be dealt. This session will address the present and future activities and outcomes performed by the ITU community in that regard, and share the views of regulators, operators and vendors on the development of 5G systems.

Presentation



Mr. Brahima Sanou
BDT Director
International Telecommunication Union

Moderator



Mr. Mario Maniewicz
Deputy Director, Radiocommunication Bureau
ITU

Speaker



Mr. Martin Adolph
Advisor, ITU-T Study Group 12: Performance, QoS and QoE
ITU Telecommunication Standardization Bureau

Panelists



Dr. Shiv Bakhshi
Vice-President, Industry Relations
Ericsson



Ms. Donna Bethea-Murphy
Senior Vice President of Global Regulatory
Inmarsat



Ms. Veena Rawat
Senior Spectrum Advisor
GSMA



Mr. Christopher Woolford
Director of International Spectrum Policy
OFCOM
United Kingdom

Cyber Attack Simulation

14:00 - 14:15

During this session, Prof. Marco Gercke will introduce the simulated cyber-attack that will be discussed during the last session of the day, asking the audience to give some preliminary thoughts on how it could be best handled.

Speaker



Mr. Marco Gercke
Director
Cybercrime Research
Germany

Ensuring Reliability, Security and Trust in DFS: A Collective Responsibility?

14:15 - 15:30

During this session, the panelists will share their views on the responsibility for ensuring reliability, security and trust in Digital Financial Solutions (DFS). The session will explore the risks facing DFS, how to gain and maintain trust, and the measures needed from operators, payments platforms, service providers and regulators. It will also discuss responsibility for education and awareness raising, what we can learn from other critical infrastructure sectors, and how far a collaborative approach can take us.

Moderator



Mr. Randol Dorsett
Chairman
URCA
The Commonwealth of The Bahamas

Panelists



Mr. Tontama Millogo
President
ARCEP
Burkina Faso



Dr. Dražen Lučić
President of the Council
Regulatory Authority for Network Industries (HAKOM)
Croatia



Mr. Diéméléou Bile
Director General
ARTCI
Côte d'Ivoire



Mr. Mahmoud El Gowini
Board Member
National Telecommunication Regulatory Authority (NTRA)
Egypt

Cyber Attack Resolution

15:45 - 17:00

During this session, Prof. Marco Gercke will continue the simulated cyber-attack and engage the audience in its resolution. Through a highly interactive and dynamic session, participants will have a chance to influence the course of action to respond to the cyber-attack, exploring various options and their consequences. Through this simulation, participants will gain a good appreciation of the key cybersecurity issues facing the digital financial sector.

Speaker



Marco Gercke
Director
Cybercrime Research
Germany

WEDNESDAY 12 JULY

Private Sector Chief Regulatory Officers (CRO) Working Group on Digital Financial Inclusion

9:00 - 10:00 Imperial Ballroom G

The objective of CRO WG-DFI is to align key stakeholders towards a formal commitment under the Universal Financial Access 2020 objective. The Group discusses approaches to achieve the "Universal Financial Access 2020", legal and regulatory frameworks and pilot implementation in selected countries, based on multi-stakeholder expressed

commitments. This year's CRO WG-DFI draft agenda can be found [here](#). The outcome of past CRO WG-DFI meetings is available [here](#).



Sue Kelsey
Chair CRO WG-DFI, SVP, Product Management, Global Prepaid
Mastercard

Chief Regulatory Officers Meeting (CRO) **10:00 - 12:00 Imperial Ballroom G**

By Invitation Only



The CRO meeting brings together senior industry executives to share experiences and exchange ideas on how to strengthen the private sector's involvement and engagement in global, regional and national initiatives and to identify mechanisms to better foster an enabling environment for future development of the sector. This year's CRO's draft agenda can be found [here](#). The outcome of past CRO meetings is available [here](#).



Mr. Bocar Ba
Chair CRO - Chief Executive Officer
Samena Telecommunications Council

Regulatory Associations Meeting (RA) **9:00 - 12:00 Imperial Ballroom F**

By Invitation Only

The Regulatory Associations (RA) meeting provides an opportunity to discuss, exchange information and build bridges towards better and more active cooperation between the Regulatory Associations in the various regions.

Exhibition and Networking Opportunities **9:00 - 12:00**

GSR Opening Ceremony **14:00 - 15:00 Imperial Ballroom (A+B+C+D)**



Dr. The Honourable Hubert A. Minnis
Prime Minister

The Commonwealth of The Bahamas



Mr. Houlin Zhao
Secretary-General
International Telecommunication Union



Senator The Hon. Carl Wilshire Bethel, Q.C.
Attorney General and Minister of Legal Affairs

The Commonwealth of The Bahamas



Mr. Brahim Sanou
Director, Telecommunication Development Bureau (BDT)
International Telecommunication Union



Mr. Randol Dorsett
Chairman
Utilities Regulation and Competition Authority (URCA)
The Commonwealth of The Bahamas

Leadership debate - Drivers of Digital Transformation

15:15 - 17:00

This high-Level debate will examine...

- Digital transformation and smart societies: are machines taking over?
- How is automation and artificial intelligence going to revolutionize the way we live?
- What will be the social and economic impact of digital transformation and smart societies?

- What are the policies and regulations needed to sustain digital transformation? Collective thinking for collaborative approaches?
- Is digital transformation a prerequisite to achieving the Sustainable Development Agenda?

Moderator



Mr. Brahima Sanou
BDT Director
International Telecommunication Union

Speaker



Dr. Kemal Huseinovic
Chief, Department of Infrastructure, Enabling Environment and E-Applications
ITU/BDT



Mr. Stephen Bereaux
Chief Executive Officer
URCA
The Commonwealth of The Bahamas



Mr. Denis O'Brien
Member of UN Broadband Commission / Chairman, Digicel



Mr. Oliver Gale
Co-Founder and President
Bitt Inc.



Mr. Urs Gasser
Executive Director
Berkman Klein Center for Internet & Society at Harvard University

Side Event

17:00 - 17:20

Connectivity Barriers to Financial Inclusion

Lightning Session supported by ESOA



Access to financial, banking and money transfer services is a prerequisite for economic growth all around the world and, in particular, in emerging economies. Satellite communications are enabling affordable, high quality solutions to enable money transfer, micro-finance, ATMs and connect remote bank agencies. These services help transform the socio-economic lives of citizens through financial literacy and access but important regulatory barriers exist that prevent their benefits from reaching regions that need them most.

Speaker



Kumar Singarajah
Global Spectrum and Regulatory Policy
ESOA



Ruth Pritchard-Kelly
Global Spectrum and Regulatory Policy
ESOA

THURSDAY 13 JULY

TRACK One : Trusting the Digital World

9:00 - 9:15

Setting the Scene

Speaker



Mr. Gary Schwartz
Author and Innovator

Session 1: Collaborative Regulation in a Digital Ecosystem: New Regulatory Paradigms

9:15 - 10:30

This session will examine ...

- ✦ Social and economic Impact of a digital connected society; how to anticipate the impact of Artificial Intelligence (AI) and Digitization?
- ✦ Regulatory Paradigm shift: collaborative regulation, trust and privacy in a connected digitized world. Regulatory Approaches to unlock the potential of smart societies.
- ✦ What policies are shaping up the Ecosystem and Digital Economy? Will regulation by design be the next step?

Moderator



Mr. Germán Arias
Executive Director
Comisión de Regulación de Comunicaciones
Colombia

Panelists



Mr. Mario Fromow
Commissioner
Instituto Federal de Telecomunicaciones (IFETEL)
Mexico



Dr. Shiv Bakhshi
Vice-President, Industry Relations
Ericsson



Mr. Kevin Martin
Vice President, Mobile and Global Access Policy
Facebook



Dr. Mark Jamison
Director
Public Utility Research Center, University of Florida



Dr. Nicola Virgill-Rolle
Director of Economic Development and Planning Unit
Prime Minister' Office
The Commonwealth of The Bahamas



Mr. Abhilash Bhachech
Former Inspector of Banks & Trust Companies
Central Bank of The Bahamas
The Commonwealth of The Bahamas

Session 2: Reliability of Networks and Devices for Digital Services**10:45 - 12:00**

This session will examine ...

- What policy and regulatory measures are needed to maintain trust and reliability of networks?
- Can technology solutions strengthen trust and reliability on networks?
- What can regulators do to ensure quality of service in the provision of communications services in a digital environment? Is there a need to rethink QoS approaches? What are the existing regulatory tools to enforce QoS?
- The issue of counterfeit: what measures are needed to prevent counterfeited hardware/software to be deployed in the networks? What are the impacts of counterfeited devices on consumer health and security? How to strengthen collaboration between the agencies involved?

Moderator

Dr. Dražen Lučić
President of the Council
Croatian Regulatory Authority for Network Industries (HAKOM)
Croatia

Panelists

Professor Umaru Garba Danbatta
Executive Vice Chairman/CEO
Nigerian Communications Commission (NCC)
Nigeria



Mr. Jacques Stern
Board Member
Autorité de Régulation des Communications électroniques et des Postes (ARCEP)
France



Mr. Harinderpal Singh Grewal
Cluster Director (Resource & Interconnection Management)
InfoComm Media Development Authority
Singapore



Ms. Lauren Van Wazer
Vice President, Global Public Policy
Akamai Technologies



Mr. Eric Loeb
Senior Vice-President, International External and Regulatory Affairs
AT&T Inc.



Ms. Jade Nester
Senior Policy Manager and Global Expert in Privacy
GSMA

Information Session: ICT Indicators for Measuring the Information Society

12:00 - 12:30

This session will provide a brief overview of ITU's work on ICT data and statistics for measuring the information society. It will explain the data collection process from Member States, data dissemination and analysis, and the role of the two statistical expert groups (EGTI and EGH) in terms of defining methodologies and new indicators. In particular, the session will brief the audience on the latest developments in the ICT Development Index (IDI) and the results of the recent Extraordinary Meeting of EGTI and EGH, which took place in March 2017 in Geneva and agreed on the new indicators that will be included in the IDI as of 2018.

Speaker



Dr. Cosmas Zavazava
Chief of Department, Projects & Knowledge Management
ITU/BDT

TRACK Two: Creating a World of Opportunities

14:00 - 14:15

Setting the Scene

Speaker



Mr. Yael Maguire
Connectivity Innovator
Facebook

Session 3: Affordable Access to ICTs in a Collaborative Economy

14:15 - 15:30

Tools to achieve affordable access to ICTs for SDGs - an ITU BDT Toolkit

This session will examine ...

- Connectivity and affordability: keys to achieving the SDGs
- Incentives to foster access and business opportunities – what is the future of Universal Service?
- International connectivity and digital infrastructures – how to reach the next billion of people and trillion of things?

Moderator



Mr. Ram Sewak Sharma
Chairman
Telecom Regulatory Authority of India (TRAI)
India

Panelists



Mr. Dan Sjöblom
Director-General
Swedish Post and Telecom Authority (PTS)
Sweden



Mr. Tom Sullivan
Chief, International Bureau
Federal Communications Commission (FCC)
United States



Mr. Nezh Dincbudak
Vice President Regulatory Affairs, Middle East & Africa
Orange



Mr. Pablo Bello
Executive Director
ASIET



Ms. Patricia Cooper
Vice President, Satellite Government Affairs
SpaceX

Session 4: Roaming in the Digital World**15:45 - 17:00**

Strategic Guidelines on IMR

This session will examine ...

- Global Strategic Guidelines on IMR
- Roaming in the era of 5G, IoT, Clouds and Industrial Internet
 - What next? From voice to data to things and the role of OSPs
 - Roaming issues in an IoT environment, where things are moving across borders

Moderator



Mr. J. Paul Morgan
Deputy Chairman
URCA
The Commonwealth of The Bahamas

Speaker



Mrs. Sofie Maddens
Head, Regulatory and Market Environment Division (BDT)
International Telecommunication Union (ITU)

Panelists



Mr. Manuel Costa Cabral
Chair, International Roaming
Association of Communications and Telecommunications Regulators of the Community
of Portuguese Speaking Countries (ARCTEL-CPLP)



Mr. Abdoukarim Soumaila
Secretary-General
African Telecommunications Union (ATU)



Mr. René Dönni Kuoni
Vice-Director
Office Fédéral de la Communication (OFCOM)
Switzerland



Mr. Shola Taylor
Secretary-General
Commonwealth Telecommunications Organisation (CTO)

FRIDAY 14 JULY

REGULATOR TRACK

GSR17 Best Practices Guidelines: Discussion and Adoption

9:45 - 10:00 Imperial Ballroom (A+B+C+D)

Presentation of the GSR 17 Best Practice Guidelines for adoption

Speaker



Mr. Stephen Bereaux
Chief Executive Officer
URCA
The Commonwealth of The Bahamas

INDUSTRY TRACK

Industry Leaders Debate - SESSION 1: Emerging technologies as enablers of socio-economic development

9:45 - 10:45 Imperial Ballroom (F+G)

Emerging technologies as enablers of socio-economic development

This session will showcase real life examples of the impact of emerging technologies and solutions offered by industry across the sectors on digital transformation on society, and explore potential opportunities for partnerships between the private sector, government and other actors to leverage the benefits of digital transformation for society.

Moderator



Mr. Fabio Leite
Vice President, Regulatory and Market Access
Inmarsat Plc.

Panelists



Ms. Lauren Van Wazer
Vice President, Global Public Policy
Akamai Technologies



Ms. Tatiana Lawrence
Vice President, Regulatory
Iridium Communications Inc.



Mr. Robert Pepper
Head of Global Connectivity Policy and Planning
Facebook

REGULATOR TRACK

Evidence Based Decision Making: Tools for Regulators

10:00 - 11:30 Imperial Ballroom (A+B+C+D)

REGULATOR TRACK

- Regulatory Outlook Report

- » ICT Regulatory Tracker: tracking the evolution of regulation
- » ICT Indicators for measuring the Information Society

• Moderator



Mr. Kemal Huseinovic
Chief, Department of Infrastructure, Enabling Environment and E-Applications
ITU/BDT

Panelists



Mr. Filipe Baptista
Secretary-General
ARCTEL-CPLP



Mr. Mahmoud Elgowini
Board Member
NTRA
Egypt



Ms. Dalsie Green Baniala
CEO/Regulator
Telecommunications and Radiocommunications Regulator's Office
Vanuatu



Professor Americo Muchanga
Director General
Instituto Nacional das Comunicações de Moçambique (INCM)
Mozambique

INDUSTRY TRACK

Industry Leaders Debate - SESSION 2: Unleashing the potential – collaborative approaches between public & private sector and the role of strategic partnerships

11:00 - 12:00 Imperial Ballroom (F+G)

Unleashing the potential – collaborative approaches between public; private sector and the role of strategic partnerships
This session will explore ways to catalyze digital transformation, encourage adoption of emerging technologies and identify measures needed from policy makers with the input from industry to foster an enabling environment and accelerate digital transformation.

Moderator



Mr. Bocar Ba
Chief Executive Officer
Samena Telecommunications Council

Panelists



Mr. Nezih Dincbudak
Vice President Regulatory Affairs
Orange Middle East & Africa



Ms. Mariah Shuman
Senior Director of Regulatory Affairs
OneWeb



Mr. Zyad Al Khwaiter
GM, Regulatory Affairs
STC Group



Mr. Peter Pitsch
Executive Director and Associate General Counsel
Intel Corporation

Concluding Discussion and Way Forward
12:00 - 12:30 Imperial Ballroom (A+B+C+D)

- Presentation of GSR17 Best Practice Guidelines
- Summary of Pre-event Workshops
- Presentation of CRO and RA reports

Moderator



Mr. Brahima Sanou
BDT Director
International Telecommunication Union

Panelists



Mr. Stephen Bereaux
Chief Executive Officer
URCA
The Commonwealth of The Bahamas



Mr. Bocar Ba
Chief Executive Officer and CRO Chair
Samena Telecommunications Council



Mr. Ansord Hewitt
Director General, OUR, Jamaica and Chairman
Organisation of Caribbean Utility Regulators (OOCUR)
Jamaica

Closing Ceremony

12:30 - 13:00 Imperial Ballroom (A+B+C+D)