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# Global Symposium for Regulators (GSR-17) Programme

**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



**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 5<sup>th</sup> 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. Brahim 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. Brahima 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. Nezih 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)