



Caribbean Telecommunications Union

Summary Report

of

3rd Caribbean Internet Governance Forum

and

Technical College

Prepared by: CTU Secretariat

Date: 15th October, 2007



Caribbean Telecommunications Union

SUMMARY REPORT

ON THE 3RD CARIBBEAN INTERNET GOVERNANCE FORUM AND TECHNICAL COLLEGE

Theme: *Building a Regional Internet Governance Framework*

Venue: Breezes Resort, Curacao, NA

Dates: August 15 – 17, 2007

1. General

This 3rd Caribbean Internet Governance Forum (CIGF) meeting was held to advance the work begun in 2005, on the request of the Caribbean Community (CARICOM) to the Caribbean Telecommunications Union (CTU) to address issues of Internet Governance on behalf of the region.

The work of the CIGF promotes a regionally coordinated developmental approach with a view to harmonising regional policy development for Internet governance.

This 3rd CIGF was hosted by the Bureau Telecommunicatie en Post of the Netherlands Antilles who provided major sponsorship.

2. Objectives of 3rd CIGF

The specific stated objectives of the 3rd CIGF were:

- To review priority areas and continue the development of an Internet governance policy framework appropriate to the Caribbean
- To review and progress the work and recommendations coming forward from the 2nd CIGF (which was jointly staged with the 4th Caribbean Internet Forum in Grenada in November 2006) and the Ministerial Briefing Seminar on Internet Governance held in Anguilla in April 2007
- To consider the state of and make recommendations for the further development of the physical and logical elements of regional Internet infrastructure and exchange points

- To discuss the implications of the imminent exhaust of IPv4 address space and commence the development of a transition plan for IPv6 deployment
- To develop mechanisms for strengthening ccTLD management in the Caribbean
- To identify prioritized actions, primeships and indicative schedules for accelerating development of the information society in the Caribbean.

These objectives were pursued through a combination of expert presentations and specialised workshops facilitated by regional and extra-regional practitioners in the field.

An innovative feature of this 3rd CIGF was the “Technical College” in which specialists led tutorial sessions in the areas of Internet exchange points, country code top level domain (ccTLD) administration and IPv6 for the benefit of attendees and ultimately to enhance the quality of the forum discussions. Opinions of participants were also collected on various topics related to regional Internet development via a series of survey questions circulated throughout the duration of the Forum.

The 3rd CIGF had approximately 39 registered attendees from 17 countries representing some 26 organisations, including the Chief Executives of ARIN (American Registry for Internet Numbers) and LACNIC (the Latin American and Caribbean Internet Registry), the two Regional Internet Registries (RIRs) serving the Caribbean region, and the Caribbean Representative of ICANN (the Internet Corporation for Assigned Names and Numbers). Based on verbal feedback and responses submitted on their evaluation forms for the 3rd CIGF, participants were generally pleased and satisfied with the content and outcomes of the Forum with some expressing their delighted impression that real work was actually being done.

The final agenda for the 3rd CIGF and the Technical College are attached in Appendix 1.

At this 3rd CIGF, ARIN and LACNIC demonstrated their committed support to the CTU’s work in Internet governance in the region through the signing of a Declaration of Cooperation Agreement with the CTU, which facilitates:

- cooperation on common issues, within the framework of their general objectives, to avoid duplicating expenses and efforts
- mutual assistance in technical areas, capacity-building activities, events and seminars to build greater awareness of matters currently impacting sustained growth of the Internet and to promote its wider adoption and effective use.

The text of this declaration is attached in Appendix 2.

3. Key Outcomes

Through the engaged participation of all attendees, particularly in the workshops and discussion sessions, the forum objectives were achieved or significantly addressed. The following summarises the outcomes attained.

Objective	Outcomes
To review priority areas and continue the development of an Internet governance policy framework appropriate to the Caribbean	<p>Significant progress was made in the development of the Caribbean Internet Governance Policy Framework</p> <p>Using the outline forum created during the 2nd CIGF for the Caribbean Internet Governance Policy Framework, participants developed the issues and crafted appropriate text or principles for the major thematic areas of the framework in relation to the vision and mission statements of the CIGF.</p> <p>A number of related initial proposals for strategic policy action were also formulated.</p> <p>It was decided that the revised draft would be posted on the on-line forum of the CTU web site and to use this medium for collation of comments and document revisions in the intervals between meetings.</p>
To review and advance the work and recommendations coming forward from the 2 nd CIGF and the Ministerial Briefing Seminar on Internet Governance held in Anguilla in April 2007	<p>These recommendations related to:</p> <ol style="list-style-type: none">1. The regional policy framework (addressed above)2. Regional information society metrics (addressed in the context of strategic action identified within the policy framework)3. Infrastructure development initiatives (addressed per outcomes of the objective immediately following)4. Content development initiatives (addressed via presentation, discussion and within the policy framework).

Objective	Outcomes
To consider the state of and make recommendations for the further development of the physical and logical elements of regional Internet infrastructure and exchange points	<p>Presentations on Caribbean fibre and satellite facilities and current projects presented an overview of the state of regional infrastructure and introduced the topic of a regional IXP.</p> <p>The tutorial, workshop and subsequent discussion on the implementation of regional IXPs resulted in recommendations for strategic action to be incorporated into the policy framework</p>
To discuss the implications of the imminent exhaust of IPv4 address space and commence the development of a transition plan for IPv6 deployment	<p>A tutorial and presentation by practitioners, sensitised participants to the significance and urgency of the issue. The quality of ensuing discussions indicated that participants had a good understanding of the issues</p>
To develop mechanisms for strengthening ccTLD management in the Caribbean	<p>The work in this area continued through a tutorial and workshop which produced a list of recommended actions / practices.</p> <p>Caribbean policies will be compiled as a first step in assisting ccTLD managers. The CTU and the ccTLD managers of Puerto Rico and Jamaica expressed willingness to formalise a cooperation agreement in this regard.</p>
To identify prioritized actions, primeships and indicative schedules for accelerating development of the information society in the Caribbean.	<p>The draft policy framework will incorporate strategic actions for accelerated development of the information society in the Caribbean. The Forum will be moving towards the early completion of the Draft Policy Framework.</p>

4. Next Steps

Short term action will be focussed on completion of the first draft regional policy framework document which will consolidate and target matters related to regional coordination of development of Internet infrastructure, content, access and usage. It was planned to coordinate completion of the draft through the CTU Secretariat by the end of 2007 or very early in 2008.

APPENDIX 1

AGENDA

3RD CARIBBEAN INTERNET GOVERNANCE FORUM

AND

TECHNICAL CONFERENCE



Caribbean Telecommunications Union

in association with

**Bureau Telecommunication & Post
of the Netherlands Antilles**

Hosts its Third

Caribbean



**Internet Governance
F o r u m**

Curacao, Netherlands Antilles

16 – 17 August 2007

Breezes Resort, Curacao



<http://www.ctu.int/events/cigf2007>

3rd Caribbean Internet Governance Forum

Building a Regional Internet Governance Framework

Programme Overview

Date	16 – 17 August 2007
Venue	Curacao
Objectives	<ul style="list-style-type: none"> • To review priority areas and continue the development of Internet governance policy framework appropriate to the Caribbean. • To review and progress the work and recommendations coming forward from the 2006 CIGF (which was jointly staged with the 4th Caribbean Internet Forum in Grenada in November 2006) and the Ministerial Briefing Seminar on Internet Governance held in Anguilla in April 2007 • To consider the state of and make recommendations for the further development of the physical and logical elements of regional Internet infrastructure and exchange points. • To discuss the implications of the imminent exhaust of IPv4 address space and commence the development of a transition plan for IPv6 deployment. • To develop mechanisms for strengthening ccTLD management in the Caribbean • To identify prioritized actions, primeships and indicative schedules for accelerating development of the information society in the Caribbean.
Target Audience	<ul style="list-style-type: none"> • Caribbean Government Officials • Caribbean ICT Regulators • Leading Business, Finance & Legal practitioners • Internet, Content, Media & Telecommunications Service Providers • End Users including Consumer Groups • Non-Governmental Organisations (NGOs) • Academic Fraternity

3rd Caribbean Internet Governance Forum

Building a Regional Internet Governance Framework

Background The issue of Internet Governance (IG) has been receiving attention on the world stage through the proceedings and institutions of the United Nations' World Summit on the Information Society (WSIS) Geneva 2003 – Tunis 2005 and various regional associated events.

In pursuit of a mandate from Caribbean Community (CARICOM) ministers with responsibility for information and communications technology (ICT) for a regionally coordinated development approach and the CARICOM Secretariat's enlistment of the Caribbean Telecommunications Union (CTU) to address the issue of Internet Governance for the region, the CTU, in collaboration with CARICOM, staged two sessions of its multi-stakeholder Caribbean Internet Governance Forum (CIGF):

- 5 – 6 September, 2005 Georgetown, Guyana
 - 1 - 3 November, 2006 Pt. Salines, Grenada
- Held jointly with the Caribbean Internet Forum (CIF),
another regional Internet development group

These fora have identified IG issues of relevance to the Caribbean, initiated consensus building on Caribbean positions for participation in the WSIS and the global Internet Governance Forum and for implementation of the WSIS Plan of Action. Major outputs produced to date include:

- Enhancement of the relationship between Caribbean Internet policy-makers / practitioners and the Internet Corporation for Assigned Names and Numbers (ICANN) through ICANN's participation in these events and facilitation of workshops and communications with the region
- Establishment of the CTU's on-line forum for discussion of regional IG issues and facilitating collaboration and consensus building (the reports of the CTU's two meetings of the CIGF are among the documents available on this on-line forum <http://ctu.int/InternetGovernance>)
- an outline for a draft Internet governance policy framework appropriate to the Caribbean (also posted on the on-line forum)
- identification of priority areas and particular actions relating to the completion of an appropriate Caribbean Internet Governance Framework and development of regional Internet infrastructure.

The CTU also held a Ministerial Briefing Seminar in Anguilla in April 2007 at which regional ICT Ministers were updated on the status of the work and made inputs to its future direction. This 3rd CIGF will continue the process of coordinating an integrated approach to the development of IG in the region, consistent with the original ministerial mandate.

3rd Caribbean Internet Governance Forum

Building a Regional Internet Governance Framework

Approach

Participants will be expected to participate in an online Internet Governance Forum at <http://www.ctu.int/InternetGovernance/> and review the following relevant background materials in advance of the 2007 CIGF:

- Working Document – Draft Caribbean Internet Governance Framework
- Other background materials as posted on the Online Forum

The objectives will be pursued in the course of a two-day Forum to be addressed by regional and international authorities in matters of IG. Presentations will be supplemented by specialized workshops focused on specific Forum objectives and facilitated by experts and regional practitioners in the field.

Workshop 1: Principles for a Caribbean IG Framework

- Review of priorities, scope and elements of a Caribbean IG framework
- Drafting of a Caribbean IG Framework

Workshop 2: Establishment of National and Regional IXPs

- Internet Exchange points (IXPs) and mobilizing Caribbean stakeholders towards establishment of national and regional IXPs

Workshop 3: Standards for Caribbean Domain Administration

- Operational and quality assurance policies and practices for regional domain managers.

Workshop 4: Caribbean IG Framework

- Priority actions
- IG focus areas Primeships for action for Caribbean stakeholders
-

Deliverables

A report for eventual submission to Caribbean ICT Ministers documenting

- Draft regional policy framework for Internet governance
- Follow up activities fleshed out, and ordered by priority
- Commitments for follow up activities

3rd Caribbean Internet Governance Forum *Building a Regional Internet Governance Framework*

Agenda: Day 1

Opening Session 16th August 2007		
Time	Activity	Speaker / Presenter
Session Chair: Mr. Selby Wilson		
8:30 a.m.	Opening Prayer	
8:35 a.m.	Welcome / Introductions	Session Chair
8:40 a.m.	Opening Remarks	Ms. Bernadette Lewis , Secretary-General, CTU
8:50 a.m.	Keynote Address: International Internet Trends and Practices and Implications for the Caribbean Root server proliferation Regional registries and IXPs	Mr. Raymond Plzak President, ARIN
9:20 a.m.	Address (to include IG in the host country and implications for region-wide coordination)	Mr. Shernon Osepa for Managing Director, Bureau Telecommunications & Post (Netherlands Antilles)
9:40 a.m.	Signing Ceremony: CTU, ARIN, LACNIC	Ms. Bernadette Lewis – SG, CTU Mr. Ray Plzak – President, ARIN Mr. Raul Echeberria – CEO, LACNIC
9:50 a.m.	Vote of thanks	Mr. Nigel Cassimire - CTU
10.00 a.m.	Coffee Break - sponsored by ARIN & LACNIC	

3rd Caribbean Internet Governance Forum

Building a Regional Internet Governance Framework

Agenda: Day 1

Session 2: Internet Governance and the Caribbean

Session Chair

10:20 a.m.	Status Report On Caribbean IG Activities <ul style="list-style-type: none"> • Draft Policy Framework • ICANN Sao Paulo, Lisbon and San Juan • Ministerial Briefing Seminar – Anguilla • Regional IG Action Items • CARICOM ICT Steering Committee • Caribbean Internet Forum 	Mr. Nigel Cassimire Telecommunications Specialist Caribbean Telecommunications Union
10:40 a.m.	ccTLD Management Cases <ul style="list-style-type: none"> • Puerto Rico • Mexico 	Dr. Oscar Moreno – Managing Director, nic.pr Top Level Domain Ing. Oscar Robles-Garay – CEO, NIC Mexico (.mx)
11:40 a.m.	Session Summary and Capstone Remarks	Session Chair
12:00 noon	Lunch - Sponsored by ISOC	

3rd Caribbean Internet Governance Forum

Building a Regional Internet Governance Framework

Agenda: Day 1

Session 3: Internet Governance Frameworks

Session Chair

1:00 p.m.	Working Session 1: <ul style="list-style-type: none">• Towards a Draft Caribbean IG Framework• Review of document scope and priorities Collaborative Projects		Facilitated by: Mr. Teni Housty Attorney at Law
1:45 p.m.	Group Work Document review and refinement		
2:45 p.m.	Coffee Break - sponsored by ARIN & LACNIC		
3:00 p.m.	Working Session 2: Mobilising Caribbean Stakeholders Towards Establishment of National and Regional IXPs Facilitators: Mr. Bill Woodcock - Packet Clearinghouse	Working Session 3: Operational and Quality Assurance Policies, Practices and Standards for Regional Domain Managers Facilitators: Dr. Oscar Moreno – Managing Director, .pr TLD	Working Session 4: Drafting of IG Framework Facilitator: Mr. Teni Housty – Attorney-at-Law
4:45 p.m.	Close of Session		
7:30 p.m.	Cocktails		

3rd Caribbean Internet Governance Forum

Building a Regional Internet Governance Framework

Agenda: Day 2

Session 1: Infrastructure Strengthening		
Time	Activity	Speaker / Presenter
8:30 a.m.	IP v4 Status and Transition Planning to IPv6	Mr. Raul Echeberria CEO, LACNIC
9:00 a.m.	Caribbean Network Infrastructure and Services Development of Regional Submarine and Terrestrial Fiber Optic Capacity Development of Regional Satellite and Wireless Network Capacity	Ms. Linda Wellstein Partner and Chair, Global Telecommunications Practice, Wellstein Mora Rodriguez International, PC Mr. Ricardo Pelliciari SES New Skies
9:50 a.m.	Development of Internet Exchange Points and Content in the Caribbean: Issues, Challenges and Opportunities	Mr. Stephen Lee Congress WBN
10:30 a.m.	Coffee Break - sponsored by ARIN & LACNIC	
11:00 a.m.	Reports and Recommendations from Day 1 Workshop Sessions Draft IG Policy Framework National and Regional IXPs Domain Management Standards	Facilitated by: Mr. Selby Wilson - CTU Mr. Teni Housty Mr. Stephen Lee Dr. Oscar Moreno
12:00 noon	Session Summary and Capstone Remarks	Session Chair
12:15 pm.	Lunch - sponsored by ISOC	

Agenda: Day 2

Session 2: Agenda for Action		
Time	Activity	Speaker / Presenter
1.30 p.m.	Working Session 4: Priority Actions and Primeships for Regional Internet Policy, Infrastructure and Business Development	Facilitator: Mr. Selby Wilson - CTU

3rd Caribbean Internet Governance Forum

Building a Regional Internet Governance Framework

		<ul style="list-style-type: none"> • Specific actions • Priority actions for moving forward • Project concepts • Primeships for action • Legal and regulatory issues 	
3:00 p.m.	Coffee Break - sponsored by ARIN & LACNIC		
3:30 p.m.	Plenary Session: Forum Summary		
4:50 p.m.	Closing Remarks		



Caribbean Telecommunications Union

Hosts its Inaugural



CTU Internet Governance
TECHNICAL COLLEGE

Curacao, Netherlands Antilles

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3rd Caribbean Internet Governance Forum Building a Regional Internet Governance Framework

Internet Governance Technical College

Preparatory Evening Sessions

Wednesday 15th August 2007

Time	Topic/Activity	Speaker / Presenter
4:00 p.m.	Internet Exchange Points (IXPs) <ul style="list-style-type: none"> Caribbean Internet Traffic Patterns IXP for network efficiencies Benefits of IXPs Guidelines for establishing IXPs (Nationally) Case for Caribbean IXPs 	Bill Woodcock Packet Clearing House
5:15 p.m.	Coffee Break	
5:45 p.m.	Models for ccTLD Collaboration <ul style="list-style-type: none"> Overview of ccTLD Organizations ccTLD Models, Pros and Cons – Considerations 	Oscar Robles-Garay LACTLD
7:00 p.m.	Meeting the Caribbean Challenge	

Thursday 16th August 2007

Time	Topic/Activity	Speaker / Presenter
5:00 p.m.	Internet Protocol Version 6 (IPv6) <ul style="list-style-type: none"> The Challenges of IPv4 Address Space Overview of IPv6 Migration issues for IPv6 	Sebastian Bellagamba ISOC Jordi Palet IPv6 Task Force
6:45 p.m.	Meeting the Caribbean Challenge	

APPENDIX 2

Declaration of Cooperation

Declaration of Cooperation

Between



Caribbean Telecommunications Union

And



American Registry for Internet Numbers

And



Latin American and Caribbean Internet Addresses Registry

Declaration of Cooperation

between

Caribbean Telecommunications Union (CTU)

and

American Registry for Internet Numbers (ARIN)

and

Latin American and Caribbean Internet Addresses Registry (LACNIC)

hereinafter referred to as "the Signatories";

CONSIDERING the importance of the Internet to the economic and social development of the Caribbean Region

CONSIDERING the mutual commitment of the Signatories to fulfilling their role and respective mandates within the region

CONSIDERING that the Signatories are currently pursuing activities in a number of areas of common interest and that joint and collaborative participation will provide mutual benefits;

And

DESIRING to establish a framework for cooperation which will extend and strengthen the execution of collaborative activities in areas of common interest and encourage the application of the results of such cooperation to the economic and social benefit of the Region;

DESIRING to raise public awareness of, build capacity for and foster the increased usage of the Internet and Internet Resources in the Caribbean through a process of cooperation based on the principles of collaboration and strategic synergy.

DECLARE THAT THE SIGNATORIES HAVE COMMITTED TO:

- Cooperate with each other on matters of common Internet-related issues within the scope of their respective general objectives.
- Jointly undertake technical education, human resource development and public awareness activities to facilitate and promote widespread and effective use of the Internet and Internet-based resources.
- Share information and provide mutual support in carrying out activities included in their respective annual work programme, with the purpose of minimising duplication of efforts and expenditures.
 - The activities may include, but are not limited to, organization of seminars, meetings and round tables on matters of common interest; planning and coordination of events, collaboration on research; training and promotion; and information dissemination.

- Invite each other to, send representatives to and promote respective meetings, where Internet-related matters of mutual interest are to be discussed to the extent permitted under their respective applicable procedures and regulations.

IN WITNESS WHEREOF, the duly authorised Representatives of the CTU, ARIN and LACNIC hereby subscribe to this Declaration of Cooperation in Curacao on this 16th day of August, 2007.

For the
Caribbean Telecommunications Union

Original signed

Bernadette Lewis
Secretary General

For the
American Registry for Internet Numbers

Original signed

Raymond Plzak
Chief Executive Officer and President

For the
Latin American and Caribbean Internet
Addresses Registry

Original signed

Raul Echeberria
Chief Executive Officer