



ICAO

International Civil Aviation Organization  
North American, Central American and Caribbean Office  
INFORMATION PAPER

NACC/DCA/08 — IP/22  
26/07/18

**Eighth Meeting of the North American, Central American and Caribbean Directors of Civil Aviation  
(NACC/DCA/08)**

Ottawa, Canada, 31 July to 2 August 2018

**Agenda Item 4: NAM/CAR Regional Safety/Air Navigation/Aviation Security/Facilitation  
Implementation Matters  
6.4 Aviation Security/Facilitation Implementation Matters**

**OUTCOMES OF THE 2018 FAA CARIBBEAN INITIATIVE CYBERSECURITY EXERCISES**

(Presented by United States)

**EXECUTIVE SUMMARY**

This paper provides an overview of outcomes from the 2018 Federal Aviation Administration (FAA) Caribbean Initiative Cybersecurity Exercise held from July 17-19, 2018 in Washington, DC. There were fifteen participants from the CAR/SAM region and ICAO.

<i>Strategic Objectives:</i>	<ul style="list-style-type: none"><li>• Safety</li><li>• Air Navigation Capacity and Efficiency</li><li>• Security &amp; Facilitation</li></ul>
------------------------------	---

**1. Background**

1.1 In July 2018, the FAA hosted a three-day Caribbean Initiative Cybersecurity Tabletop Exercise (CCTTX) event in Washington, D.C. The Exercise included participants from Barbados, Dominican Republic, Guyana, Jamaica, Suriname, Trinidad and Tobago, the Eastern Caribbean Civil Aviation Authority, and ICAO representatives from Headquarters and the Regional Offices in Lima and Mexico City.

**2. Objectives**

2.1 Throughout the exercise, participants successfully achieved three objectives:

- Develop and promote common understanding of cyber threats, vulnerabilities, and resultant risk across the Aviation Ecosystem
- Identify gaps in state policies and operations
- Identify and promote regional partnerships and mechanisms for information sharing on emerging threats and incident response

2.2 Key Themes guided scenario development and discussion during execution to ensure that the objectives were met:

- Expectations, Skill, & Experience
  - Understand role, responsibilities, authorities, and promote interactions with others
  - How would someone in your position/role approach this scenario?
- Policies & Directives
  - Clarity of current plans and procedures, and identify significant inconsistencies, if any
  - What policy, bilateral agreement, recommended practice defines your coordination and response?
- Security & Risk Management
  - Identify internal/external threats, hazards, and vulnerabilities that could be impactful
  - What is your risk management strategy?
  - What is your threshold for escalation or response?

### 3. Outcomes

3.1 Some of the outcomes of the event were:

- Explore better integration of cybersecurity (Awareness)
  - Training, Maintenance, and Operational SOPs
  - Risk management/risk assessment
  - Resilience
- Build up regional relationships (Communication & Coordination)
  - Engaging existing regional cybersecurity resources
  - Fostering increased informal collaboration among cybersecurity stakeholders
- Work with ICAO in overall strategy and direction

### 4. Conclusion

4.1 The Exercise provided regional partners with a valuable opportunity to confront a potentially significant cyber incident. It raised cybersecurity awareness and identified areas and opportunities for participants to engage with each other and foster on-going development of both individual stakeholder and regional cybersecurity processes and capabilities. A detailed After Action Report will be produced in September 2018.

4.2 More details on the cybersecurity tabletop exercise is included in NACC/DCA/8 IP/18 (Promotion of Cyber Resilience Through Global Awareness and Regional Exercises.)