



ICAO

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

E/CAR/CATG/10 — WP/13
07/13/26

Tenth Eastern Caribbean Civil Aviation Technical Group Meeting (E/CAR/CATG/10)
Fort-de-France, Martinique, 15 to 17 July 2026

Agenda Item 4: Follow-up of the activities of the E/CAR/CATG
4.5 Progress report of the Communications Navigation and Surveillance (CNS) Committee

PROGRESS REPORT OF THE COMMUNICATIONS NAVIGATION SURVEILLANCE (CNS) COMMITTEE
(Presented by the CNS Committee Rapporteur)

EXECUTIVE SUMMARY	
This working paper presents a Summary of the CNS Committee activities from 2025 to 2026 taking in consideration, the E/CAR/CATG/9 Final Report, along with the ICAO NACC Strategic Objectives and progress on the activities on the Eastern Caribbean Network infrastructure.	
Action:	Suggested actions are presented in Section 3.
<i>Strategic Objectives:</i>	• Every Flight is Safe and Secure • Aviation is Environmentally Sustainable • Aviation Delivers Seamless, Accessible, and Reliable Mobility for All • No Country Left Behind • The Economic Development of Air Transport Assures the Delivery of Economic Prosperity and Societal Well-Being for All
<i>References:</i>	• Final Report E/CAR/CATG/9 Meeting Miami, United States, 28 – 31th July 2025.

1. Introduction

1.1 The Ninth Eastern Caribbean Civil Aviation Technical Group E/CAR/CATG/9 Meetings were held at the IATA Americas premises in Miami, United States, from 28 to 31 July 2025.

1.2 The E/CAR/CATG/9 Meeting was held with the participation of the Chairperson, Ms. Shenneth Phillips (Antigua and Barbuda). Ms. Phillips chaired the meeting plenary. Mr. Eddian Méndez, Regional Officer, Air Traffic Management and Search and Rescue served as Secretary of the Meeting, assisted by Mrs. Mayda Ávila, Regional Officer, Communications, Navigation and Surveillance, both from the ICAO NACC Regional Office.

1.3 The Meeting was attended by eleven (11) States/Territories from the Eastern Caribbean Region, one (1) International Organization and two (2) representatives from the aviation industry totalling fifty-three (53) delegates as indicated in the List of Participants in **Appendix I** and the Point of Contacts (PoCs) in **Appendix II**.

1.4 During the E/CAR/CATG/9 Meeting, there were numerous discussions, which led to several decisions and conclusions being made. Accordingly, this working paper will address the conclusions and decisions that falls under the responsibility of the E/CAR/CATG CNS Committee.

2. Discussion

2.1 This working paper is intended to provide the Progress Report of the CNS Committee with the follow-up actions and status update on the conclusions and decisions and the projects being undertaken in the E/CAR Region and the Piarco Flight Information Region (FIR) during the present E/CAR/CATG meeting.

2.2 The activities of the Eastern Caribbean Network Technical Group (E/CAR/NTG) and the Eastern Caribbean Radar Data Sharing Ad hoc Group (E/CAR/RD) were integrated into the E/CAR/CATG CNS Committee in the E/CAR/CATG/9 meeting.

2.3 The PoCs (**Appendices III& IV**) information for the coordination for the management and maintenance activities for the E/CAR Aeronautical Fixed Services (AFS) Network were updated following the E/CAR/CATG/9 Meeting.

2.4 To support the regional action plans, results from the most relevant updates to the work of the CNS Committee:

- a) Network Maintenance: Enhanced reporting and monitoring mechanisms for network issues were implemented in 2024 to improve service quality and safety. As such, all fault reports are reported on a combination of the initial fault via WhatsApp Calls and Messages (WhatsApp number 1-868-724-6856), TTCAA email cnshelpdesk@caa.gov.tt, and the online ECAR Fault Reporting Link: https://forms.office.com/Pages/ResponsePage.aspx?id=LuAdx9N3kEm0a5UDqelgey_rcrV7f1Ik74gJLpWGBBUQTeyTThFQ080WkVMNTZYRDNBR1NBMzkyMS4u
- b) Communication Improvements: Updated PoCs for management activities (**Appendix III**) and maintenance activities (**Appendix IV**) were also revised and distributed to CNS Technical personnel to ensure that ICAO event information reaches all relevant CNS stakeholders in the E/CAR States/Territories.
- c) Infrastructure Upgrades: Trinidad and Tobago upgraded the AFS network and Very High Frequency (VHF) system on the Internet Protocol (IP) platform and has recently implemented the Ground Based Automatic Dependent Surveillance-Broadcast (GB ADS-B). Trinidad and Tobago is currently conducting operational testing of the Space-Based ADS-B upgrades for the upper level of the Piarco FIR, targeting completion by September 2026. The completion of the GB ADS-B is targeted by December 2026. **Appendix V** shows the future surveillance coverage in the Piarco FIR.

2.5 During the period 2025 to 2026, the Trinidad and Tobago Civil Aviation Authority (TTCAA) completed the Analog to Internet Protocol (IP) CNS infrastructure within the E/CAR States to the AFS ground-to-ground communication network and the IP Network Upgrade to the VHF air-to-

ground communication network. The TTCAA is in the process of finalizing the GB ADS-B equipment to the Antigua, Barbados and St. Lucia.

2.6 Updates on the projects undertaken by the Trinidad and Tobago Civil Aviation Authority (TTCAA) are as follows:

2.6.1 Very High Frequency/Aeronautical Mobile Services (VHF/AMS).

- The TTCAA is currently in the procurement process of acquiring a new VHF solution for the Continental Sector of the Piarco FIR. This will include but is not limited to the upgrade of VHF radios, antennas, switching equipment, filters, cables and accessories. Additionally, every effort is being made to improve the accountability of the network providers associated with the AMS Network.

2.6.2 Ground Based Automatic Dependent Surveillance – Broadcast and Wide Area Multilateration (GB ADS B/WAM).

- The installation of the GB ADSB/MLAT System in Trinidad commenced on August 2025 and is scheduled to be completed in two (2) phases.
 - Phase 1, the installations of the GB ADS-B equipment in Trinidad and Tobago excluding the site at North Post, were successfully completed and was operationalized on 29 June 2026. Air Traffic Services (ATS) at TTCAA is monitoring the new surveillance services.
 - For Phase II, the installation of the equipment in Antigua, Barbados, North Post and St. Lucia is expected to be completed by December 2026 with the final testing, validation, and integration of all the sites to provide the surveillance coverage over the continental airspace.

2.6.3 Space-Based Automatic Dependent Surveillance – Broadcast (SB ADS-B)

- The Trinidad and Tobago Civil Aviation Authority (TTCAA) has awarded a contract for Space-Based Automatic Dependent Surveillance – Broadcast (SB ADS-B) for Surveillance Data Services from Aireon LLC on May 2025. The SB ADS-B will provide surveillance coverage in both the Continental and Oceanic airspaces.
 - Phase 1, the installation and integration of the SB ADS-B equipment into the live Air Traffic Management (ATM) system and the Site Acceptance Test (SAT) were completed successfully, at the Service Delivery Point (SDP), in October 2025.
 - Phase II, Leonardo S.p.A. was awarded a contract to integrate the Space-Based ADS-B service as a surveillance source in the ATM system. On 03 March 2026, Leonardo S.p.A integrated the Space-Based (SB) ADS-B into the live ATM system. The implementation and configuration of the software were installed in both Surveillance Data Processors (SDPs) of the ATM system. ATS conducted observations of the Aireon SB ADS-B tracks and the list of the concerns submitted to Leonardo S.p.A were resolved. Further observations are planned for the upcoming weeks as part of the validation process of the SB ADS-B addition to the ATM system.

3. Suggested actions

3.1 The Meeting is invited to:

- a) take note of the progress and status of the CNS Committee's activities;
- b) review and agree on the activities to be carried out; and
- c) Take any other actions as deemed appropriate.

— — — — —

Ninth Eastern Caribbean Civil Aviation Technical Group (E/CAR/CATG/9) Meeting
Miami, United States, 28 to 31 July 2025

APPENDIX I
LIST OF PARTICIPANTS

ANGUILLA

1. Sheila Hodge
2. Shekimea Romney

ANTIGUA AND BARBUDA

3. Eugene Silcott
4. Natasha Mussington
5. Shenneth Phillips
6. Audrey Lorraine Davis (V)
7. Alando Michael
8. Randolph Best

BARBADOS

9. Donna Archer (V)
10. Jackie Romona Crichlow (V)
11. Richard Odle (V)
12. Richard Prempeh (V)

DOMINICA

13. Kershton Pascal

ECCAA

14. Luana C. Isaac
15. Eloise Denise Silston

FRANCE

16. Julie Ibalot

SAINT LUCIA

17. Ricardo Charles

SAINT KITTS AND NEVIS

18. Don Grant

ST. VINCENT AND THE GRENADINES

19. Andrea Best

TRINIDAD AND TOBAGO

20. Adam Khan (V)
21. Anton Ramdass (V)
22. Ashley Lalman (V)
23. Clint Balfour (V)
24. Curtis Peters (V)
25. David Timothy (V)
26. Faadia Mohammed (V)
27. Ian Raphael Gomez
28. Ihsan Hosein (V)
29. Jayson Dalkan (V)
30. Kendall Galindo (V)
31. Kevin Brown (V)
32. Naresh Seeparsad (V)
33. Neil Ali
34. Ricky Bissessar (V)
35. Robert Rooplal (V)
36. Rohan Garib
37. Rudesh Balliram (V)
38. Salima Mohamdally (V)
39. Shiraz Gopaul (V)

40. Shorrey Blake (V)
41. Steve Ramgoolam (V)
42. Steve Saroop
43. Vijanti Balroop (V)

UNITED STATES

44. Alfredo Costa (V)
45. Carlos E. Rodríguez
46. John William Fullerton
47. Jorge Chades
48. Rudolph Lawrence
49. Vincent McMenemy (V)
50. Will Turner

ALBC CONSULTING

51. Alejandra Bertrand

FREQUENTIS

52. Mathias Gerlich (V)

IATA

53. Jaime Abigantus

ICAO

54. Mayda Ávila
55. Eddian Méndez

V: Virtual participation

APPENDIX II
Point of Contacts

Name / Position	Administration Organization	Telephone Teléfono
Anguilla		
Sheila Hodge Quality Assurance Manager	Anguilla Air and Sea Ports Authority (AASPA)	Tel. + 2645844085, + 2645849640 E-mail sheila.hodge@aaspa.ai
Shekimea Romney AIS Supervisor	AASPA	Tel. + 2644766244 E-mail shekimea.romney@aaspa.ai
Antigua and Barbuda		
Eugene Silcott Air Traffic Services Operations Officer	Antigua and Barbuda Air Traffic Services	Tel. + 2685625235 E-mail eugene.silcott@ab.gov.ag
Natasha Mussington Coordinator of AIS	Antigua and Barbuda Air Traffic Services	Tel. + 2685625231 E-mail natasha.mussington@ab.gov.ag
Shenneth Phillips Chief of Air Traffic services	Antigua and Barbuda Air Traffic Services	Tel. + 2685620301/2 E-mail shenneth.phillips@ab.gov.ag
Audrey Lorraine Davis (V) Deputy Chief, Air Traffic Services	V. C. Bird Air Traffic Services - Antigua and Barbuda	Tel. + 268 562 5232 E-mail lorraine.davis@ab.gov.ag
Alando Michael Commanding Officer ABDF Airwing	ABDF Coast Guard	Tel. + 12687641495 E-mail Alando.michael@abdf.gov.ag
Randolph Best Executive Officer	ABDF Coast Guard	Tel. + 12687146399 E-mail randolph.w.best@abdf.gov.ag
Barbados		
Donna Archer (V) Chief AIS Officer	Barbados	Tel. + 2465363603 E-mail donna.archer@barbados.gov.bb
Jackie Romona Crichlow (V) Senior Electronics Technician	Barbados	Tel. + (246)536-1361 E-mail jcrichlow@gaiainc.bb
Richard Odle (V) Electronics Manager	Barbados	Tel. + 246 536 1332 E-mail Rodle@gaiainc.bb
Richard-Lawrence Prempeh (V) Air Traffic Control Supervisor	Barbados Air Navigation Services	Tel. + 1-246-535-3607 E-mail richard.prempeh@ans.gov.bb
Dominica		
Kershton Pascal Airport Manager	Dominica Air and Sea Ports Authority (DASPA)	Tel. + 767-255-9111, 767 225 9884 E-mail kpascal@daspa.dm

Name / Position	Administration Organization	Telephone Teléfono
ECCTA		
Luana C. Isaac AIM Inspector	Eastern Caribbean Civil Aviation Authority (ECCTA)	Tel. + 1(268)7252897 E-mail Lisaac@ecctaa.aero
Eloise Denise Silston ATM Inspector	ECCTA	Tel. + 268 462 0000 E-mail dsilston@ecctaa.aero
France		
Julie Ibalot Director of Guadeloupe ATC center	FRANCE ANTILLES GUYANE	Tel. + 590690692104 E-mail julie.ibalot@aviation-civile.gouv.fr
Saint Lucia		
Ricardo Charles Senior Air Traffic Control Officer - Quality Assurance	Saint Lucia Air and Sea Ports Authorty (SLASPA)	Tel. + 1 758 724 6436 E-mail ricardo.charles@slaspa.com
Saint Kitts and Nevis		
Don Grant Airport Manager (Ag.)	St.Kitts/Nevis	Tel. +1 8694658121 ext 200, 18696628490 E-mail don.grant@scaspa.com
Saint Vincent and the Granadines		
Andrea Best Director Civil Aviation	Civil Aviation Department	Tel. +1 7844936800 E-mail dca@gov.vc; dcasvg@gmail.com
Trinidad and Tobago		
Adam Khan (V) CNS Supervisor	Trinidad and Tobago Civil Aviation Authority (TTCAA)	Tel. +1-868-682-8386 E-mail adamkhan@caa.gov.tt
Anton Ramdass (V) Unit Chief Piarco ACC/APP (Ag)	TTCAA	Tel. +1(868)669-4852 E-mail aramdass@caa.gov.tt
Ashley Lalman (V) Unit Chief Piarco ACC/APP	TTCAA	Tel. +1 (868)669-4852 E-mail alalman@caa.gov.tt
Clint Balfour (V) ATS Supervisor	TTCAA	Tel. + 1(868)669-4852 E-mail cbalfour@caa.gov.tt
Curtis Peters (V) Civil Aviation Safety Inspector	TTCAA	Tel. +1 868 668 8222 EXT 2189 E-mail cpeters@caa.gov.tt
David Timothy (V) ATS Supervisor (Ag)	TTCAA	Tel. +1 (868)669-4852 E-mail dtimothy@caa.gov.tt

Name / Position	Administration Organization	/	Telephone Teléfono
Trinidad and Tobago			
Faadia Mohammed (V) Unit Chief - AIM Quality Assurance	TTCAA		Tel. +1-868-462-0577 E-mail famohammed@caa.gov.tt
Ian Raphael Gomez Manager ATS and ANS Safety	TTCAA		Tel. +1 (868)669-4806 E-mail igomez@caa.gov.tt
Ihsan Hosein (V) ATS Supervisor	TTCAA		Tel. +1 (868)669-4852 E-mail ihosein@caa.gov.tt
Jayson Dalkan (V) ATS Supervisor	TTCAA		Tel. +1 (868)669-4852 E-mail jdalkan@caa.gov.tt
Kendall Galindo (V) ATS Supervisor (Ag)	TTCAA		Tel. +1 (868)669-4852 E-mail kgalindo@caa.gov.tt
Kevin Brown (V) ATS Supervisor (Ag)	TTCAA		Tel. +1 (868)669-4852 E-mail kbrown@caa.gov.tt
Naresh Seeparsad (V) CNS Engineer (Ag.)	TTCAA		Tel. +1-868-689-4267 E-mail nseeparsad@caa.gov.tt
Neil Ali Manager - Aeronautical Information Management	TTCAA		Tel. +1 8686688222 ext 2559 E-mail nali@caa.gov.tt
Ricky Bissessar (V) Unit Chief - AIM Operations	TTCAA		Tel. +1-868-678 2124 E-mail rbissessar@caa.gov.tt
Robert R. Rooplal (V) Civil Aviation Safety Inspector - ANS	TTCAA		Tel. +1 868 668 8222 Ext 2527 E-mail rrooplal@caa.gov.tt
Rohan Garib Executive Manager Air Navigation Services	TTCAA		Tel. +1 868 669 4806 E-mail rgarib@caa.gov.tt
Rudesh Balliram (V) ATS Supervisor	TTCAA		Tel. +1 (868)669-4852 E-mail rballiram@caa.gov.tt
Salima Mohamdally (V) Unit Chief - AIM Publication	TTCAA		Tel. +1-868-250-4258 E-mail smohamdally@caa.gov.tt
Shiraz Gopaul (V) CASI - CNS	TTCAA		Tel. +1 868-669-4302 Ext 2123 E-mail sgopaul@caa.gov.tt
Shorrey Blake (V) ATS Supervisor	TTCAA		Tel. +1 (868)669-4852 E-mail sbalke@caa.gov.tt

Name / Position	Administration Organization	/	Telephone Teléfono
Trinidad and Tobago			
Steve Ramgoolam (V) AIM Officer Technical Development and Training	TTCAA		Tel. +1 1 868 6694128 E-mail sramgoolm@caa.gov.tt
Steve Saroop Manager CNS	TTCAA		Tel. +1-868-668-8822 Ext. 2502 E-mail ssaroop.caa.gov.tt
Vijanti Balroop (V) ATS Supervisor	TTCAA		Tel. +1(868)669-4852 E-mail vbalroop@caa.gov.tt
United States			
Alfredo Costa (V) Computer Specialist	Federal Aviation Administration (FAA)		Tel. +1 609-485-5023 E-mail alfredo.costa@faa.gov
Carlos E. Rodriguez San Juanc Combined Control Facility (ZSU) Airspace Manager	FAA		Tel. +1 787-398-7664 E-mail carlos.em.rodriguez@faa.gov
John William Fullerton International Telecom Engineer	FAA		Tel. +1 856-912-1601 E-mail john.w-ctr.fullerton@faa.gov
Jorge Chades Air Traffic Organization International Specialist	FAA		Tel. +1 202-267-1007 E-mail jorge.a-ctr.chades@faa.gov
Rudolph (Rudy) Lawrence Air Traffic Control Specialist/International Program Officer	FAA		Tel. +1 (202) 267-0116/(202) 285-3099 E-mail rudolph.lawrence@faa.gov
Vincent McMenamy (V) ATCS	FAA		Tel. +1 202 2670627 E-mail vincent.mcmenamy@faa.gov
Will Turner Telecommunications Specialist	FAA		Tel. +1 404-434-8187 E-mail will.ctr.turner@faa.gov
ALBC Consulting			
Alejandra Bertrand CEO	ALBC Consulting		Tel. +1 786-468-9457 E-mail alebertrandaviationconsultingoutlook.com
Frequentis			
Mathias Gerlich (V) Frequentis	Frequentis		E-mail matthias.gerlich@frequentis.com
IATA			
Jaime Abigantus Assistant Director ATM IATA- OPS, Safety, Security	IATA		Tel. +1 305 339 3930 E-mail abigantusj@iata.org

Name / Position	Administration Organization	/ Telephone Teléfono
ICAO		
Mayda Ávila Regional Officer, Communications, Navigaion and Surveillance	ICAO NACC Regional Office	Tel. +52 55 5250 3211 E-mail mavila@icao.int
Eddian Méndez Regional Officer, Air Traffic Management and Search and Rescue	ICAO NACC Regional Office	Tel. +52 55 5250 3211 E-mail emendez@icao.int

APPENDIX III

Point of Contact - E/CAR AFS State Management Coordination

State	Contact Person	Contact Information	Time needed for prep
San Juan	Will Turner	1-404-434-8187 will.ctr.Turner@faa.gov	No info available as yet
	Joseph Cruz	joseph.v.cruz@faa.gov	
	Luis Diaz	luiz.diaz@faa.gov	
	Miguel Zayas	miguel.zayas@faa.gov	
	Hector Ortiz-Diaz	hector.ortiz-diaz@faa.gov	
Anguilla	Trevor Davis	1-268-723-2955 tdavis@eccaa.aero	2 weeks
	Anthony Lawrence	1-264-729-5552 answal@eccaa.aero	
	Roshima Roberts	roshima.roberts@aaspa.ai	
	Jabari Harrigan	jabari.harrigan@aaspa.ai	
	Keith Richardson		
Martinique	Joel Catelo	011 596 596 42 25 14 joel.catelo@aviation-civile.gouv.fr	1 month
	Harry Asselin De Beauville	harry.asselin-de-beauville@aviation-civile.gouv.fr	
	Jean Marcel Monroe	jean-marcel.monrose@aviation-civile.gouv.fr	
Guadeloupe	Joel Kiavue	joel.kiavue@aviation-civile.gouv.fr	No info available as yet
	Julie Ibalot	Julie.ibalot@aviation-civile.gouv.fr	
	Vincent Leroy	vincent.leroy@aviation-civile.gouv.fr	
St. Vincent	Stanton Gomes Deputy Director C.A	ddcasvg@gmail.com	St. Vincent

	Trevor Davis Andrea Best David Burgin	1-268-723-2955 tdavis@eccaa.aero dcasvg@gmail.com dburgin.airports@gmail.com	
Montserrat	Trevor Davis Joseph Irish Steve Ryan Zhuan Sweeny	1-268-723-2955 tdavis@eccaa.aero irishjl@gov.ms ryans@gov.ms sweeneyz@gov.ms	Montserrat
St. Kitts	Trevor Davis Joy Richardson Osbert Wilkinson	1-268-723-2955 tdavis@eccaa.aero joy.richardson@scaspa.com osbert.wilkinson@scaspa.com	St. Kitts
Nevis	Trevor Davis Joy Richardson Osbert Wilkinson	1-268-723-2955 tdavis@eccaa.aero joy.richardson@scaspa.com osbert.wilkinson@scaspa.com	Nevis
Antigua	Trevor Davis Romeo Simpsom D Gibbs	1-268-723-2955 tdavis@eccaa.aero rsimpson@eccaa.aero dgibbs@eccaa.aero	2 weeks
St. Lucia- Hewanorra	Trevor Davis Lynden Leonce	1-268-723-2955 tdavis@eccaa.aero 1758-719-2250 / 1758-728-4867 lynden.leonce@slaspa.com	2 weeks
St. Lucia- George Charles	Trevor Davis	1-268-723-2955 tdavis@eccaa.aero	2 weeks

	Lynden Leonce Kendell Peter Andre Klein	1758-719-2250 / 1758-728-4867 lynden.leonce@slaspa.com Kendell.Peter@slaspa.com aklein@eccaa.aero	
Dominica- Douglas Charles	Trevor Davis Kershton Pascal	1-268-723-2955 tdavis@eccaa.aero 1-767-225-9884 kpascal@daspa.dm	2 weeks
Dominica- Canefield	Trevor Davis Kershton Pascal	1-268-723-2955 tdavis@eccaa.aero 1-767-225-9884 kpascal@daspa.dm	2 weeks
Grenada	Trevor Davis Cristina Joseph Kurt Williams Glenn Forsyth Cuthbert Edwards	1-268-723-2955 tdavis@eccaa.aero cjoseph@gaa.gd kwilliams@gaa.gd gforsyth@gaa.gd cedwards@gaa.gd	2 weeks
Barbados	Mr. Odle Alvin Hall Donna Archer (AIS) Glyne Blanchette	1-246-832-5107 rodle@gaiainc.bb 1-246-832-2973 ahall@gaiainc.bb 1-246-536-3603 glyne.blanchette@barbados.gov.bb	1 month
FAA	John Fullerton Al O'neil Nigel Simmons	john.w-ctr.fullerton@faa.gov al.oneil@faa.gov nigel.ctr.simmons@faa.gov	

APPENDIX IV

Point of Contact –E/CAR AFS State Maintenance Coordination

Update: October 2025

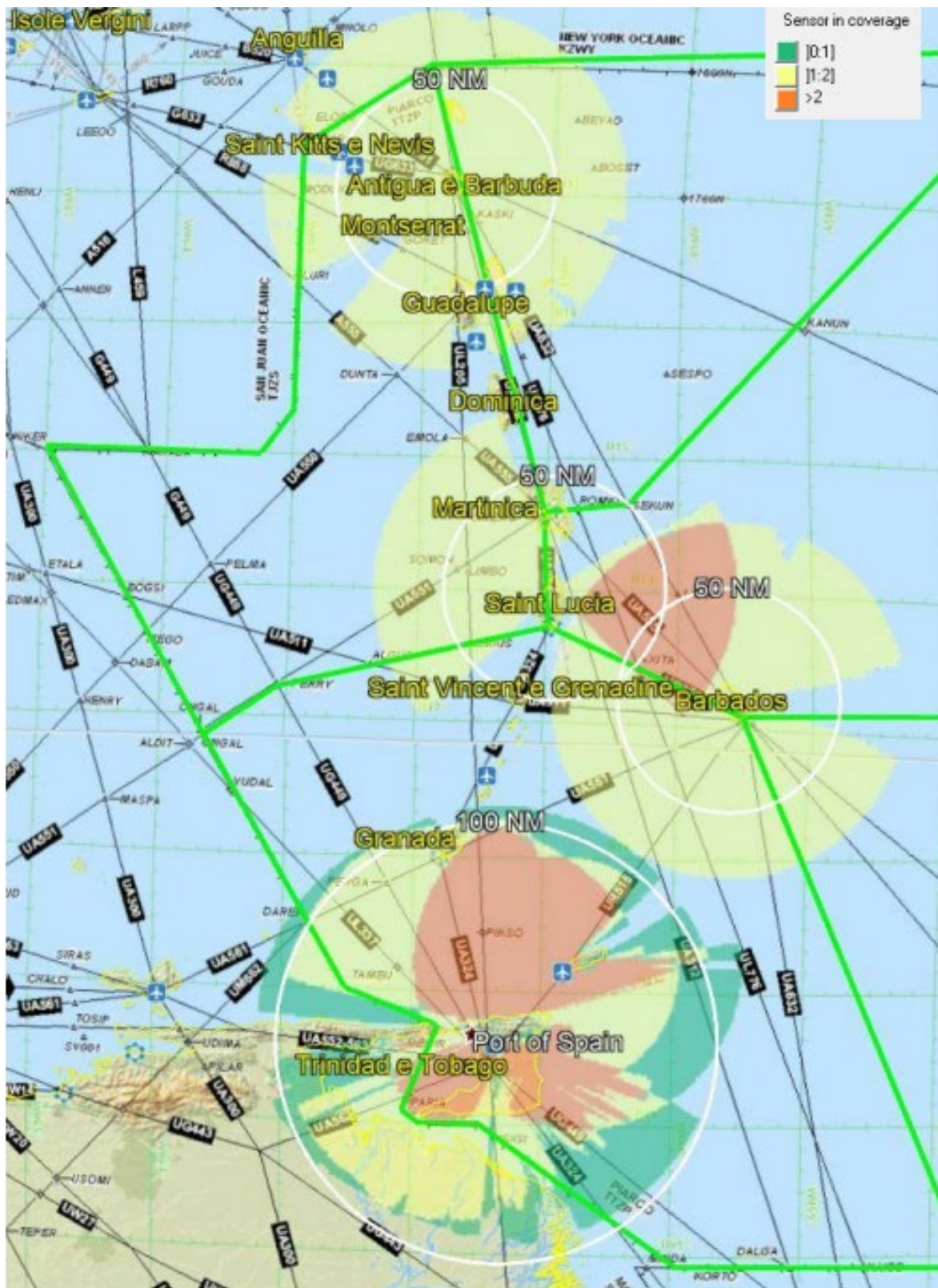
State/Airport	Contact Name	Telephone	Alternate Contact
Maurice Bishop Airport, Grenada	David Gibbs	Office: 473 444 4151 Mobile: 473 537 2046	Darryl Charles Office: 473 444 4151 Mobile: 473 422 4095
E.T. Joshua Airport, St. Vincent	David Boston	Office: 784 456 4950 Mobile: 784 430 2716	Anthony Benjamin Office: 784 456 4950 Mobile: 784 528 4083
Air and Sea Ports Authority, St. Lucia	Lynden Heath Leonce	Office: 758 457 6116 Mobile: 758 728 4867 Email: lynden.leonce@slaspa.com	Kendell Peter Mobile: 758 721 9336 Email: kendell.peter@slaspa.com
George Charles, St. Lucia	Alinton Alfred	Office: 758 452 2660 Mobile: 758 518 3995	Jonathan Sandiford Office: 758 452 2660 Mobile: 758 715 6748
Hewanorra, St. Lucia	Andre Klien	Office: 758 454 6649 Mobile: 758 721 5152	Alinton Alfred Office: 758 452 2660 Mobile: 758 518 3995
Melville Hall and Canefield, Dominica	Joseph Morvan	Office: 767 449 1071 Mobile: 767 277 7909	Jean Williams, Airport Manager Tel: 1 767 445 7101 Melvillehallairportmanager.daspa@wdom.dm
John Osbourne, Montserrat	Steve Ryan	Tel Twr: 1 664 491 4229 Mobile: 1 664 496 4225 Email: ryans@gov.ms	Zhuan Sweeney, Senior ATC Tel: 1 664 491 6218 Email: sweeneyz@gov.ms
V C Bird, Antigua	Romeo Simpson	Office: 268 462 3115 Mobile 268 722 4053	Mark Young Office: 268 462 3115 Mobile: 268 771 5005
R L Bradshaw, St. Kitts/ Nevis	Wycliffe Gumbs	Office: 869 465 4388 Mobile 869 663 6503	Jaylon Warner Office: 869 465 4388 Mobile: 869 763 4205
Clayton Lloyd, Anguilla	Anthony Lawrence	Office: None Mobile: 264 583 7134	Lindon Hodges, Deputy Airport Manager Tel: 1 264 497 2384 Mobile: 1 264 476 3121 Email: lindon.hodge@gov.ai
Barbados Civil Aviation Authority, Barbados	Richard Odle	Email: rodle@Gaiainc.bb Tel: 1 246 536 1332/3 Mobile: 1 246 832 5107 Neil Andre Sarjeant ATC: 1 246 536 3605	Alvin Hall (NAVAIDS & COMMS) Tel: 1 246 832 2973 Email: Ahall@gaiainc.bb Jackie Crichlow (SURV. & COMMS) Tel: 1 246 249 3637 Email: Jcrichlow@gaiainc.bb

Federal Aviation Authority, United States	Mr. Al O'Neill International Telecommunications NAS Integration & Infrastructure Solutions AJM-3122 Email: al.o'neill@faa.gov	Tel: 1 404 474 5169 Mobile: 1 404 861 6503	Nigel CTR Simmons Senior Systems Engineer NAS Integration & Infrastructure Solutions AJW-3122 Tel: 1 301 760 7648 Mobile: 1 301 523 4840 Email: nigel.ctr.simmons@faa.gov
French Civil Aviation Authority, Martinique	Joel Catelo	Tel: 011 596 596 42 25 14 Email joel.catelo@aviation-civile.gouv.fr	Christopher Martin Email: christophe-j.martin@aviation-civile.gouv.fr Office: 011 596 596 42 25 98
French Civil Aviation Authority, Guadeloupe	Joel Kiavue	Tel: 011 590 590 48 20 13 Mobile: 011 590 690 52 06 53 Email: joel.kiavue@aviation-civile.gouv.fr	
Trinidad and Tobago Civil Aviation Authority, Trinidad and Tobago	Nareh Seeparsad	Tel: 1 868 669 4806 Ext. 2568 Mobile: 1 868 689 4267 Email: nseeparsad@caa.gov.tt	CNS/ECAR Phone Office: 1 868 669 1859 Mobile: 1 868 724 6856

ADS-B coverage @250 feet ASL



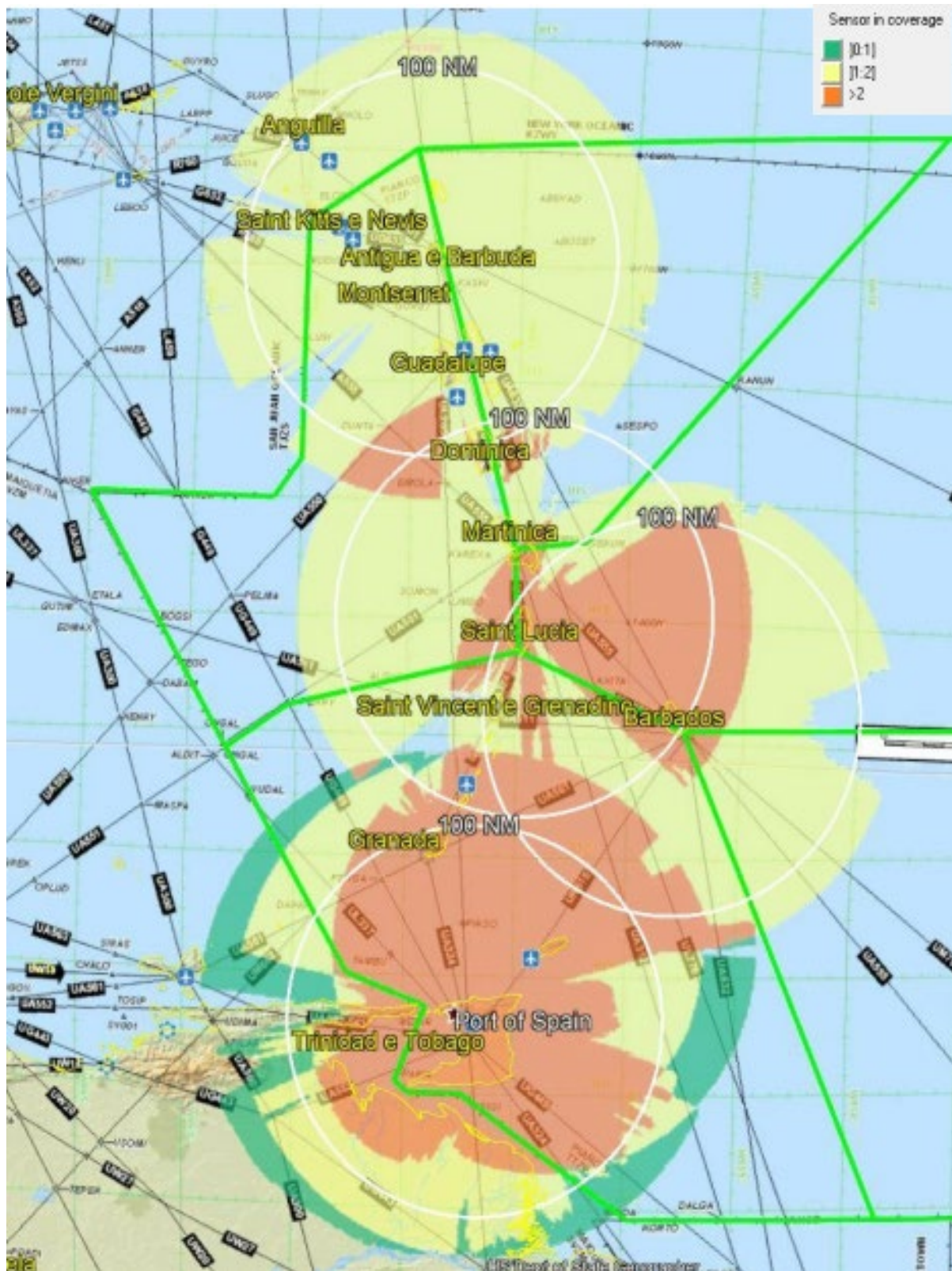
ADS-B coverage @500 feet ASL



ADS-B coverage @1000 feet ASL



ADS-B coverage @2000 feet ASL



ADS-B coverage @4000 feet ASL



ADS-B coverage @5000 feet ASL



ADS-B coverage @10000 feet ASL

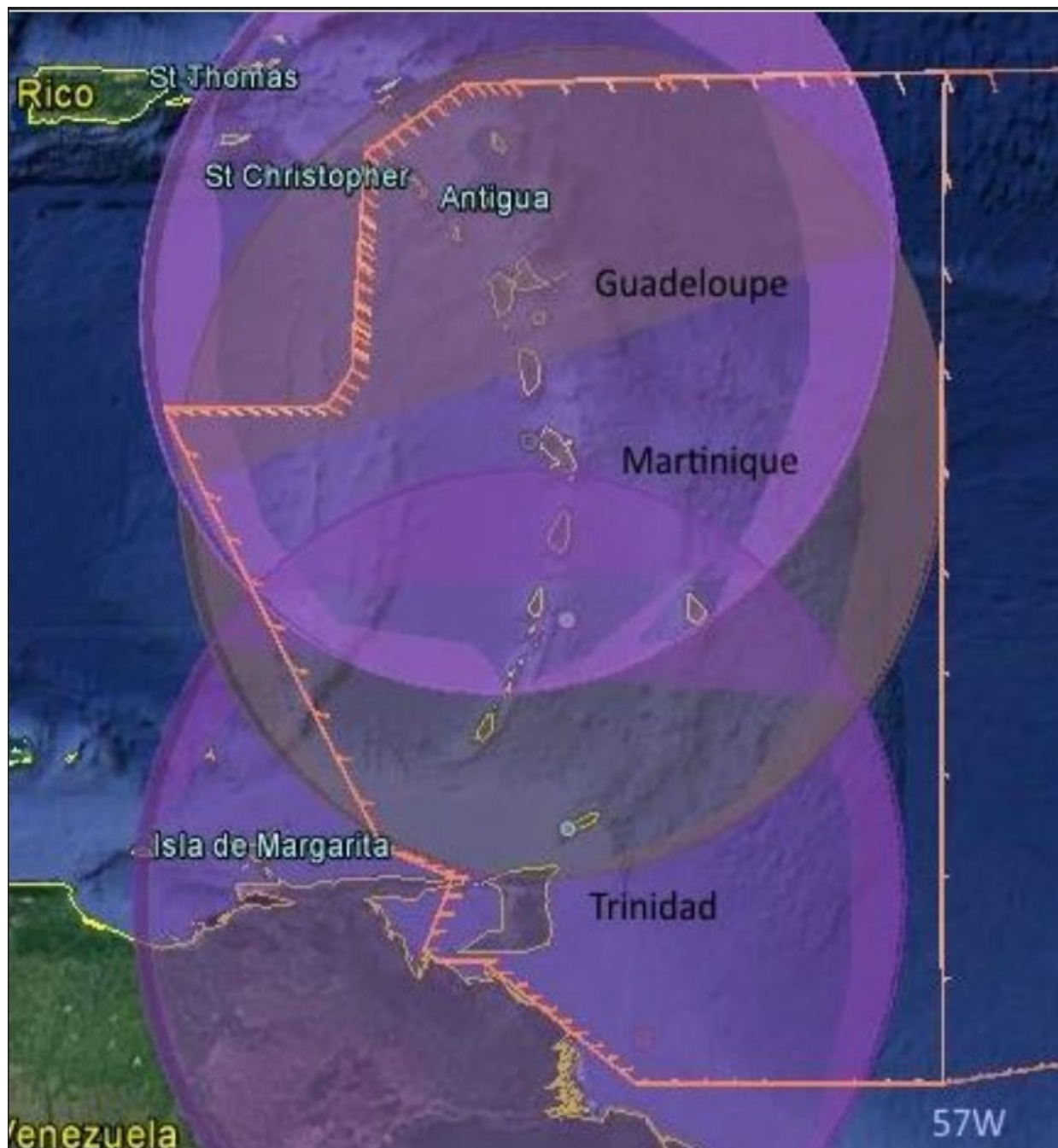


ADS-B coverage @20000 feet ASL



ADS-B coverage @30000 feet ASL

SSR ENROUTE COVERAGE DIAGRAMS



SPACE BASED ADS-B COVERAGE DIAGRAMS

