



ICAO

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

NAM/CAR/SAM Workshop for the Development of National Search and Rescue (SAR) Plans
Mexico, City Mexico, 20 October 2022

Summary of Discussions

Date	20 October 2022
Location	ICAO NACC Regional Office, Mexico City, Mexico and on-line
Opening Ceremony	The Workshop was attended by 93 delegates from 27 States/Territories and one International Organization from the NAM/CAR/SAM Regions. The list of participants is shown in Attachment .

1. References

- Chicago Convention
- Annex 12 – Search and Rescue
- Annex 11 – Air Traffic Services
- International Aeronautical and Maritime Search and Rescue Manual (IAMSAR Manual), Volume 1 – Organization and Management.
- CAR/SAM Air Navigation Plan.
- Guidance Material for the Preparation of a National SAR Plan (Lima, June 2002)
- El Salvador National Aeronautical and Maritime SAR Plan.

2. Objectives

- 2.1 Raise awareness about the importance of the SAR and the need to establish correct planning for the provision of this important service.
- 2.2 Provide guidance for the development of national SAR plans.
- 2.3 Promote the integration of different national plans in order to make efficient use of available resources, supporting an effective SAR response.

3. Introduction

3.1 The Workshop provided participants with introductory information regarding the international agreements, requirements and organizations related to the provision of SAR Services.

3.2 The Workshop reviewed key concepts from the Annex 11, Annex 12 and the IAMSAR Manual.

3.3 The Workshop provided detailed information to draft a SAR National Plan.

4. Workshop Schedule and Activities

4.1 The workshop webpage is located at: <https://www.icao.int/NACC/Pages/meetings-2022-sartf3.aspx>

5. Recommendations

5.1 Emphasize the importance of establishing SAR Operational Agreement Letters between adjacent States.

5.2 It is recommended that the Aeronautical Information Publications (AIPs) of each State clarify the way in which the brigades of other States may enter their territory or jurisdiction, to participate in SAR operations.

5.3 SAR collaboration should include the establishment of inter-institutional agreements for the best response to emergencies. Likewise, establish the National SAR Committee in each State, to distribute efforts and carry out coordinated operations.

5.4 Each State should include in the Regional SAR Plan only the information that is already duly authorized in its National SAR Plan.

5.5 It is recommended to establish detailed plans in each Country on how the different types of SAR missions will be faced.

5.6 An important recommendation is to carry out regional exercises to test the procedures contained in the Regional SAR Plan, as well as carry out joint training between the civil part, the naval and air forces.

5.7 Emphasize the importance of establishing SAR operational Letters of Agreement between adjacent States.

5.8 It is recommended that the AIP of each State clarify the way in which the brigades of other States may enter their territory or jurisdiction, to participate in SAR operations.

5.9 SAR collaboration should include the establishment of inter-institutional agreements for the best response to emergencies. Likewise, establish the National SAR Committee in each State, to distribute efforts and carry out coordinated operations.

5.10 Each State should include in the Regional SAR Plan only the information that is already duly authorized in its National SAR Plan.

5.11 It is recommended to establish Detailed Plans in each country on how the different types of SAR missions will be faced.

5.12 An important recommendation is to carry out regional exercises to test the procedures contained in the Regional SAR Plan, as well as carry out joint training between the civil part, the naval and air forces.

6. Accomplishments

6.1 Enriched with practical experience, the Workshop provided guidance to support drafting and implementation of the National SAR Plan.

6.2 The Workshop also served to enhance coordination mechanisms between CAR/SAM SAR operations and exercises.



North American, Central American and Caribbean Office (NACC)
Oficina para Norteamérica, Centroamérica y Caribe (NACC)

ATTACHMENT/ADJUNTO

**NAM/CAR/SAM Workshop for the Development of National Search and Rescue (SAR) Plans /
Taller sobre el Desarrollo de los Planes Nacionales SAR para las Regiones NAM/CAR/SAM**
Mexico City, Mexico, 20 October 2022/ Ciudad de México, México, 20 de octubre de 2022

LIST OF PARTICIPANTS / LISTA DE PARTICIPANTES

ANTIGUA AND BARBUDA/ANTIGUA Y BARBUDA

1. Shenneth Phillips
2. Quincy George

ARGENTINA

3. Roberto Julio Gómez

BOLIVIA

4. Daniel Cacio Bustamante Leyton
5. Delve Mavi Mavi Vera
6. Alan Carlos Escobar Gonzales
7. Gonzalo Lahore Bernal
8. Iver Mendoza Challapa
9. Raumar Gandarillas
10. Luis Alfredo Melendres
11. Luis Javier Marine Cartagena
12. Dennis Alberto Arias Rosebluth

BRAZIL/BRASIL

13. Bruno Vieira Passos

COLOMBIA

14. Juan Manuel García
15. Andrés Felipe Martínez
16. Joan C. Silva

COSTA RICA

17. Mario Sequeira

DOMINICAN REPUBLIC/REPÚBLICA DOMINICANA

18. Juan Alberto Henríquez Ramos
19. Ramón Antonio Pirón Bautista

ECCAA

20. Luana Isaac
21. Eloise Silston

ECUADOR

22. Marcelo Lema
23. Mayra Salazar

EL SALVADOR

24. Salvador Ernesto Hernandez Vega
25. Rolando Cruz Hernández

GRENADA/GRANADA

26. Cristina Joseph
27. Thaddeus Hamilton
28. Eon Date
29. Michael Paul
30. Frederick Coutain
31. Garvel Stanislaus
32. Shem Williams
33. Alwyn Clarke
34. Hernel Panchoo
35. Rondel James

GUATEMALA

36. Julio Gálvez

HAITI/HAITI

- 37. Hantz Celestin
- 38. Velouse Vinelon

HONDURAS

- 39. Jorge Alexis González Zuniga

MEXICO/MÉXICO

- 40. Sara Carolina Viveros Peña
- 41. Ramón González
- 42. Felipe Castillo
- 43. Alfredo Arellano
- 44. Diego Rivera
- 45. Christian Ramirez
- 46. Nilvia Lazcano
- 47. Julio Sosa
- 48. Jesús Barrera
- 49. Eduardo Espinosa
- 50. Marcos Antonio Hernández García
- 51. José Armando Constantino Tercero
- 52. José Valdivia
- 53. Francisco Mendoza
- 54. Jesús Chávez
- 55. Víctor Raúl Murrieta Perea
- 56. Jorge Luis Vazquez
- 57. Abraham Hernandez
- 58. Jorge Caballero
- 59. Sofia Manzo
- 60. Zeldy Flores
- 61. Rosa Maria Zabal Cortés
- 62. Conrado Macías

NICARAGUA

- 63. José Erasmo Flores

PANAMA/PANAMÁ

- 64. Sergio Rodriguez

PARAGUAY

- 65. Federico Rolandi

PERU/PERÚ

- 66. Jose Mondragon

SAINT KITTS AND NEVIS/SAN KITTS Y NEVIS

- 67. Lesroy Caines
- 68. Xavier Grant

SAINT LUCIA/SANTA LUCÍA

- 69. Amy Charles
- 70. Remy Avril
- 71. Lynden Leonce
- 72. Zaquin Mathurin
- 73. Jermaine William
- 74. Melvin Charles
- 75. Anwar Deterville

SAINT VINCENT AND THE GRENADINES/SAN VICENTE Y LAS GRANADINAS

- 76. James Ollivierre
- 77. Dillett Davis
- 78. Jacqueline Ollivierre-George
- 79. Enos Hamlette
- 80. Deon Henry

SURINAME/SURINAM

- 81. Gary Feliksdal

TRINIDAD AND TOBAGO/TRINIDAD Y TABAGO

- 82. Vijanti Balroop
- 83. Alexis Brathwaite
- 84. Barry Phirangee

UNITED KINGDOM/REINO UNIDO

- 85. Geoffrey Smith

UNITED STATES/ESTADOS UNIDOS

- 86. William Christie
- 87. Ian Brown
- 88. Ashley Dufresne
- 89. Laurant Jolly
- 90. Elizabeth Creamer

URUGUAY

91. Rodrigo Pérez Castelli

VENEZUELA

92. Emerson Prieto

COCESNA

93. Calvin Zuniga

ICAO/OACI

94. Fernando Hermoza

95. Eddian Méndez

LIST OF PARTICIPANTS / LISTA DE PARTICIPANTES

Name / Position Nombre / Puesto	Administration / Organization Administración / Organización	E-mail/ Correo-e
Antigua and Barbuda/Antigua y Barbuda		
Shenneth Phillips Chief Air Traffic Services	Antigua and Barbuda Airport Authority	E-mail shennethp@yahoo.com
Quincy George Inspector	Antigua and Barbuda Fire Brigade	E-mail que4576@gmail.com
Argentina		
Roberto Julio Gómez Manager Search and Rescue	EANA	E-mail rgomez@eana.com.ar
Bolivia		
Daniel Cacio Bustamante Leyton Inspector: ATM/SAR	Dirección General de Aeronáutica Civil	E-mail daniel.bustamante.leyton@gmail.com
Delve Mavi Mavi Vera INSPECTOR III ATM/SAR	DGAC	E-mail demave30@hotmail.com
Alan Carlos Escobar Gonzales Comandante Sub Centro SAR Bolivia	Fuerza Aérea Boliviana	E-mail alanescobargonzales@hotmail.com
Gonzalo Lahore Bernal Jefe RCC Bolivia	Fuerza Aérea Boliviana	E-mail glahoreb@gmail.com
Iver Mendoza Challapa comandante RCC SAR ILLIMANI	Fuerza Aérea Boliviana	E-mail ivermendoza27@gmail.com
Raumir Gandarillas 2do cmdte	Fuerza Aérea Boliviana	E-mail raumir.ir@gmail.com
Luis Alfredo Melendres COMANDANTE DE RSC	Fuerza Aérea Boliviana	E-mail alfo_lam@hotmail.com
Luis Javier Marine Cartagena Coordinador SRCC/SMC	Fuerza Aérea Boliviana	E-mail marineclj88@gmail.com
Dennis A. Arias Rosembluth COMANDANTE	Fuerza Aérea Boliviana	E-mail dennisito5807@gmail.com
Brazil/Brasil		
Bruno Vieira Passos Head of Search and Rescue Division	DECEA	E-mail vieirabvp@decea.mil.br

Name / Position Nombre / Puesto	Administration / Organization Administración / Organización	E-mail/ Correo-e
Colombia		
Juan Manuel García Inspector ANS - SAR	Aeronáutica Civil de Colombia	E-mail darwing8@gmail.com
Andrés Felipe Martínez Coordinador SAR Nacional RCC BOGOTA	Aeronáutica Civil de Colombia	E-mail Nafelipe27@hotmail.com
Joan C. Silva Coordinador de Misión SAR	Aeronáutica Civil de Colombia	E-mail joan.silva@aerocivil.gov.co
Costa Rica		
Mario Sequeira ENCARGADO BUSQUEDA Y RESCATE	Dirección General de Aeronáutica Civil	E-mail sierraquebec@gmail.com
Dominican Republic/República Dominicana		
Juan Alberto Henríquez Ramos SAR Supervisor	IDAC	E-mail jhenriquez@idac.gov.do
Ramón Antonio Pirón Bautista Encargado SAR Aeronáutico, IDAC	IDAC	E-mail pironb@gmail.com, rpiron@idac.gov.do
ECCAA		
Luana Isaac AIM Inspector	ECCAA	E-mail lisaac@eccaa.aero
Eloise Silston ATN Inspector	ECCAA	E-mail dsilston@eccaa.aero
Ecuador		
Marcelo Lema Jefe de Gestión Nacional SAR.	Dirección General de Aviación Civil.	E-mail gestion.sar@aviacioncivil.gob.ec
Mayra Salazar Jefe RCC/SPOC-Quito	Dirección General de Aviación Civil	E-mail aryamsalazar@gmail.com
El Salvador		
Salvador Ernesto Hernandez Vega Inspector Búsqueda y Salvamento	Autoridad de Aviación Civil	E-mail shernandez@aac.gov.sv
Rolando Cruz Hernández Inspector SNA (ATS/SAR)	Autoridad de Aviación Civil	E-mail rhernandez1963@gmail.com

Name / Position Nombre / Puesto	Administration / Organization Administración / Organización	E-mail/ Correo-e
Grenada/Granada		
Cristina Joseph Director of Operations	Grenada Airports Authority	E-mail cjoseph@gaa.gd
Thaddeus Hamilton Sergeant	Royal Grenada Police Force	E-mail hamish735@gmail.com
Eon Date NCO Crash Fire Rescue	Royal Grenada Police Force	E-mail eondate97@gmail.com
Michael Paul Police Officer	Royal Grenada Police Force(R.G.P.F)	E-mail rondellkpaul@gmail.com
Frederick Coutain Corporal	Royal Grenada Police Force	E-mail frederickcoutain43@gmail.com
Garvel Stanislaus Air Traffic Controller	Grenada Airport Authority	E-mail gstanislaus@gmail.com
Shem Williams Air Traffic Controller	Grenada Airports Authority	E-mail sirzalod1st@gmail.com
Alwyn Clarke Airport Duty Manager	Grenada Airports Authority	E-mail aclarke@gaa.gd
Hernel Panchoo Air Traffic Control Supervisor	Grenada Airports Authority	E-mail hernelatc@gmail.com
Rondel James Air Traffic Control	Grenada Airports Authority	E-mail rondeljames6@gmail.com
Guatemala		
Julio Gálvez Coordinador SAR	Dirección General de Aeronáutica Civil	E-mail jgalvezfarfan@hotmail.com
Haiti/Haiti		
Hantz Celestin Air Navigation Director	OFNAC	E-mail hantz.celestin@ofnac.gouv.ht
Velouse Vinelon JRCC Chief	OFNAC	E-mail velouse.vinelon@ofnac.gouv.ht
Honduras		
Jorge Alexis González Zuniga Enlace FFAA-AHAC	Fuerza Aérea	E-mail jorgegonzalezhn@gmail.com

Name / Position Nombre / Puesto	Administration / Organization Administración / Organización	E-mail/ Correo-e
Mexico/México		
Sara Carolina Viveros Peña Inspector SAR	AFAC	E-mail sara.viveros.daaia@afac.gob.mx
Ramón González COMANDANTE III REGION	AFAC	E-mail ramon.gonzalezafac@gmail.com
Felipe Castillo DIRECTOR DE COMANDANCIA REGIÓN I	AFAC	E-mail felipe.castillo@afac.gob.mx
Alfredo Arellano Comandante regional	AFAC	E-mail alfredo.arellanoh@gmail.com
Diego Rivera Coordinador de Seguridad Operacional	AFAC	E-mail diego.rivera@afac.gob.mx
Christian Ramirez JEFE DE DEPARTAMENTO	AFAC	E-mail christian.ramirez@afac.gob.mx
Nilvia Lazcano INSPECTOR	AFAC	E-mail nlazcanosoto@gmail.com
Julio Sosa INSPECTOR SMS/SSP	AFAC	E-mail julio.sosa@afac.gob.mx
Jesús Barrera Inspector Verificador	AFAC	E-mail chuchinbarrera@hotmail.com
Eduardo Espinosa INSPECTOR VERIFICADOR DE AERONAVEGABILIDAD	AFAC	E-mail eduardo.espinosa@afac.gob.mx
Marcos A. Hernández García Jefe de departamento SAR	DAAIA	E-mail marcos.hernandez.daaia@afac.gob.mx
José A. Constantino Tercero Director AIG / SAR	Dirección de Análisis de Accidentes e Incidentes de Aviación (DAAIA)	E-mail ja.constantino.iii@gmail.com
José Valdivia Jefe Ops. de la Fuerza Aérea Mexicana	SEDENA	E-mail jvaldiviav77@gmail.com
Francisco Mendoza Sistema SAR	SEDENA	E-mail sar_mex.silva@hotmail.com.mx
Jesús Chávez Jefe Grupo de Análisis	SEDENA	E-mail cc2.anlisisope@semar.gob.mx
Víctor Raúl Murrieta Perea Jefe de la subsección de Coord. de operaciones aéreas	SEDENA	E-mail cuervo0471@me.com

Name / Position Nombre / Puesto	Administration / Organization Administración / Organización	E-mail/ Correo-e
Mexico/México		
Jorge Luis Vazquez Comdte ENSAR Veracruz	SEMAR	E-mail jlv.24@hotmail.com
Abraham Hernandez Jefe de Subsección SAR	SEMAR	E-mail abhesa1111@gmail.com
Jorge Caballero JEFE DE LOS SERVICIOS DE TRANSITO AEREO	SENEAM	E-mail jecfebles@hotmail.com
Sofía Manzo Coordinador Regional Sureste	SENEAM	E-mail sptisha@hotmail.com
Zeldy Flores COORDINADOR REGIONAL NORESTE	SENEAM	E-mail zeldyflores@hotmail.com
Rosa Maria Zabal Cortés DIRECTORA DE GESTIÓN	Subsecretaría de Transporte	E-mail rozamaco@gmail.com
Conrado Macías Director Regional II	AFAC	E-mail conrado.macias@afac.gob.mx
Nicaragua		
José Erasmo Flores Inspector SAR	INAC	E-mail jose.flores@inac.gob.ni
Panama/Panamá		
Sergio Rodriguez INSPECTOR ANS SAR	Autoridad Aeronáutica Civil de Panamá	E-mail sergio.rodriguez@aeronautica.gob.pa
Paraguay		
Federico Rolandi Coordinación de Socorro Aeronáutico	Dirección Nacional de Aeronáutica Civil	E-mail rolandi@outlook.com
Peru/Perú		
Jose Mondragon INSPECTOR	DGAC	E-mail josemondragon20@gmail.com
Saint Kitts and Nevis/San Kitts y Nevis		
Lesroy Caines Fire Sub Station Officer	RLB Airport Fire Hall	E-mail fssolesroy.caines@gmail.com
Xavier Grant Air Traffic Controller	St. Christopher Air and Sea Port Authority	E-mail eggerybinks@gmail.com

Name / Position Nombre / Puesto	Administration / Organization Administración / Organización	E-mail/ Correo-e
Saint Lucia/Santa Lucía		
Amy Charles Manager-Air Navigation Services	Saint Lucia Air and Sea Ports Authority	E-mail amy.charles@slaspa.com
Remy Avril Senior ATC Officer	Saint Lucia Air and Sea Ports Authority	E-mail remy.avril@slaspa.com
Lynden Leonce Technical Officer ANS	Saint Lucia Air and Sea Ports Authority	E-mail lynden.leonce@slaspa.com
Zaquin Mathurin Station Commander	Saint Lucia Fire Service	E-mail zmathurin@gmail.com
Jermaine William Assistant Divisional Officer	Saint Lucia Fire Service	E-mail adonorthslu@gmail.com
Melvin Charles Station Officer	Saint Lucia Fire Service	E-mail mellocharloo@gmail.com
Anwar Deterville Assistant Divisional Officer	St. Lucia Fire Service	E-mail Anwar.deterville@gmail.com
Saint Vincent and the Grenadines/San Vicente y las Granadinas		
James Ollivierre Senior Air Traffic Controller	Civil Aviation Department	E-mail jaysyl2009@gmail.com
Dillett Davis Chief Air Traffic Controller	Civil Aviation Department	E-mail catcsvg@gmail.com
Jacqueline Ollivierre-George Senior Air Traffic Control Officer	Civil Aviation Department	E-mail saocan.airports@gmail.com
Enos Hamlette Lieutenant - Operations Officer	St. Vincent and the Grenadines Coast Guard Service	E-mail eddieoriginal@hotmail.com
Deon Henry Lieutenant Commander - Commanding Officer	St. Vincent and the Grenadines Coast Guard Service	E-mail vincyhenry@hotmail.com
Suriname/Surinam		
Gary Feliksdal Acting Coordinator SAR	CADSUR	E-mail feliksdaalggf@hotmail.com
Trinidad and Tobago/Trinidad y Tabago		
Vijanti Balroop ATC	Trinidad and Tobago Civil Aviation Authority (TTCAA)	E-mail vbalroop@caa.gov.tt

Name / Position Nombre / Puesto	Administration / Organization Administración / Organización	E-mail/ Correo-e
Trinidad and Tobago/Trinidad y Tabago		
Alexis Brathwaite Manager ATS and ANS Safety	TTCAA	E-mail abrathwaite@caa.gov.tt
Barry Phirangee Air Traffic Management Officer	TTCAA	E-mail bphirangee@caa.gov.tt
United Kingdom/Reino Unido		
Geoffrey Smith ATS Inspector	Air Safety Support International	E-mail geoffrey.smith@airsafety.aero
United States/Estados Unidos		
William Christie Air Traffic Safety Inspector	Federal Aviation Administration	E-mail wgchristie@comcast.net
Ian Brown Search and Rescue Policy – Analyst	United States Coast Guard (CG-SAR-1)	E-mail idbrown369@gmail.com
Ashley Dufresne Search and Rescue - Policy Analyst	U.S. Coast Guard	E-mail ashley.e.g.dufresne@gmail.com
Laurant Jolly SARSAT Systems Operations Manager	NOAA	E-mail laurant.jolly@noaa.gov
Elizabeth Creamer USMCC Chief	NOAA	E-mail Elizabeth.Creamer@noaa.gov
Uruguay		
Rodrigo Pérez Castelli Inspector SAR	Fuerza Aérea Uruguaya	E-mail rodperez@fau.mil.uy
Venezuela		
Emerson Prieto Coordinador del RCC MIQ	INAC	E-mail eaprieto@inac.gob.ve
COCESNA		
Calvin Zuniga Relator del SAR/TF	COCESNA	E-mail calvin.zuniga@cocesna.org

Name / Position Nombre / Puesto	Administration / Organization Administración / Organización	E-mail/ Correo-e
ICAO/OACI		
Fernando Hermoza Regional Officer, Air Traffic Management and Search and Rescue/ Especialista Regional en Tránsito Aéreo y Búsqueda y Salvamento	South American Office (SAM) / Oficina para Sudamérica	E-mail fhermoza@icao.int
Eddian Méndez Regional Officer, Air Traffic Management and Search and Rescue/ Especialista Regional en Gestión de Tránsito Aéreo y Búsqueda y Salvamento	North American, Central American and Caribbean Office / Oficina para Norteamérica, Centroamérica y Caribe (NACC)	E-mail emendez@icao.int