



**Fourth GREPECAS–RASG-PA Joint Meeting and  
Twenty-second Meeting of the CAR/SAM Regional Planning and Implementation Group  
(GREPECAS/22)**

Virtual Phase (Asynchronous, 16 September to 18 October 2024)

In-Person Phase (Lima, Peru, 20 to 22 November 2024)

**LIST OF WORKING, INFORMATION PAPERS AND PRESENTATIONS**

(Presented by the Secretariat)

**WORKING PAPERS**

Number	Agenda Item	Title and e-mail as alternative means of communication during virtual phase	Date	Prepared and Presented by
WP/01 Rev. 2	1	Adoption of the Provisional Agenda and Schedule	18/11/2024	Secretariat
WP/02 Rev	2	GREPECAS-RASG-PA Coordination <a href="mailto:916181d6.OACI.onmicrosoft.com@ca.teams.ms">916181d6.OACI.onmicrosoft.com@ca.teams.ms</a>	04/11/2024	Secretariat
WP/03	3	Follow-Up on the Valid GREPECAS Conclusions and Decisions <a href="mailto:e7b35a71.OACI.onmicrosoft.com@ca.teams.ms">e7b35a71.OACI.onmicrosoft.com@ca.teams.ms</a>	09/09/2024	Secretariat
WP/04	4	ICAO Fourteenth Air Navigation Conference (AN-Conf/14) <a href="mailto:d06290af.OACI.onmicrosoft.com@ca.teams.ms">d06290af.OACI.onmicrosoft.com@ca.teams.ms</a>	26/08/2024	Secretariat
WP/05	4	Status of the Regional Air Navigation Plan CAR/SAM <a href="mailto:4c88a75d.OACI.onmicrosoft.com@ca.teams.ms">4c88a75d.OACI.onmicrosoft.com@ca.teams.ms</a>	28/08/2024	Secretariat
WP/06	9	Analysis of the Critical ANS implementation areas – Priority Identification <a href="mailto:695abaea.OACI.onmicrosoft.com@ca.teams.ms">695abaea.OACI.onmicrosoft.com@ca.teams.ms</a>	19/09/2024	Secretariat
WP/07	5.1	Progress of PBN and ATFM in the CAR/SAM Regions <a href="mailto:075c80a5.OACI.onmicrosoft.com@ca.teams.ms">075c80a5.OACI.onmicrosoft.com@ca.teams.ms</a>	26/08/2024	Secretariat
WP/08	5.1	Progress Report on Activities to Support Search and Rescue Implementation in the CAR/SAM Regions <a href="mailto:7aebd5c6.OACI.onmicrosoft.com@ca.teams.ms">7aebd5c6.OACI.onmicrosoft.com@ca.teams.ms</a>	25/08/2024	Secretariat
WP/09	5.2	CNS Programmes and Projects – SAM Region <a href="mailto:f325e2fd.OACI.onmicrosoft.com@ca.teams.ms">f325e2fd.OACI.onmicrosoft.com@ca.teams.ms</a>	06/09/2024	Secretariat
WP/10	5.3	Severe Meteorological Phenomena and their Impacts on Aviation <a href="mailto:f8828c21.OACI.onmicrosoft.com@ca.teams.ms">f8828c21.OACI.onmicrosoft.com@ca.teams.ms</a>	23/08/2024	Secretariat

## WORKING PAPERS

Number	Agenda Item	Title and e-mail as alternative means of communication during virtual phase	Date	Prepared and Presented by
WP/11	5.3	Environmental Strategy in the NAM/CAR/SAM Regions <a href="mailto:3527106b.OACI.onmicrosoft.com@ca.teams.ms">3527106b.OACI.onmicrosoft.com@ca.teams.ms</a>	02/09/2024	Secretariat
WP/12	5.4	Progress in the AIM Programmes and Projects of the CAR/SAM Regions <a href="mailto:3e67e460.OACI.onmicrosoft.com@ca.teams.ms">3e67e460.OACI.onmicrosoft.com@ca.teams.ms</a>	27/08/2024	Secretariat
WP/13	5.5	Aerodromes and Ground Aids (AGA) - CAR/SAM Implementation <a href="mailto:9481d49a.OACI.onmicrosoft.com@ca.teams.ms">9481d49a.OACI.onmicrosoft.com@ca.teams.ms</a>	17/09/2024	Secretariat
WP/14 Rev	6	Review on the GREPECAS Work Programme and Projects <a href="mailto:e5d92c24.OACI.onmicrosoft.com@ca.teams.ms">e5d92c24.OACI.onmicrosoft.com@ca.teams.ms</a>	10/10/2024	Secretariat
WP/15	6	Update of GREPECAS Procedural Handbook <a href="mailto:b82c6cea.OACI.onmicrosoft.com@ca.teams.ms">b82c6cea.OACI.onmicrosoft.com@ca.teams.ms</a>	20/09/2024	Secretariat
WP/16	5.1	ATM Contingency- Crisis Response - CAR/SAM Implementation <a href="mailto:e1294231.OACI.onmicrosoft.com@ca.teams.ms">e1294231.OACI.onmicrosoft.com@ca.teams.ms</a>	29/08/2024	Secretariat
WP/17	6	Report of the 2023 CAR/SAM RVSM Airspace Monitoring Program and Activities 2023-2024 of the GTE <a href="mailto:de7e1677.OACI.onmicrosoft.com@ca.teams.ms">de7e1677.OACI.onmicrosoft.com@ca.teams.ms</a>	19/08/2024	Secretariat
WP/18	5.3	Analysis of the Implementation of the Basic Building Blocks (BBB) of the Meteorological Service for International Air Navigation <a href="mailto:565a8cd9.OACI.onmicrosoft.com@ca.teams.ms">565a8cd9.OACI.onmicrosoft.com@ca.teams.ms</a>	29/08/2024	Secretariat
WP/19	5.1	Status of Airspace Optimization Programme and the NEOSPACE-1 Project <a href="mailto:88119173.OACI.onmicrosoft.com@ca.teams.ms">88119173.OACI.onmicrosoft.com@ca.teams.ms</a>	29/08/2024	Secretariat
WP/20	6	Update of the Guidance Manual for Points of Contact (POC) Accredited to CARSAMMA <a href="mailto:eb29e19d.OACI.onmicrosoft.com@ca.teams.ms">eb29e19d.OACI.onmicrosoft.com@ca.teams.ms</a>	20/09/2024	Secretariat
WP/21	12	Civil Aviation: A National and International Pillar of Safety <a href="mailto:098e2352.OACI.onmicrosoft.com@ca.teams.ms">098e2352.OACI.onmicrosoft.com@ca.teams.ms</a>	02/09/2024	Chile
WP/22	5.4	Compliance With ICAO SARPS and Adoption of Best International Practices on AIM <a href="mailto:94ab05f0.OACI.onmicrosoft.com@ca.teams.ms">94ab05f0.OACI.onmicrosoft.com@ca.teams.ms</a>	02/09/2024	IATA
WP/23	5.2	Aeronautical Aspects in the Agenda Items of WRC-27 <a href="mailto:ec635322.OACI.onmicrosoft.com@ca.teams.ms">ec635322.OACI.onmicrosoft.com@ca.teams.ms</a>	02/09/2024	Brazil
WP/24	5.2	Deployment of ADS-B in Brazil and Complementation of the Air Navigation System – Multilateration in Porto Alegre <a href="mailto:9bd13f79.OACI.onmicrosoft.com@ca.teams.ms">9bd13f79.OACI.onmicrosoft.com@ca.teams.ms</a>	02/09/2024	Brazil
WP/25	5.4	Information Sharing Using Malware Information Sharing Platform and Its Contribution to Improve Cybersecurity and Information System Resilience <a href="mailto:93776d24.OACI.onmicrosoft.com@ca.teams.ms">93776d24.OACI.onmicrosoft.com@ca.teams.ms</a>	02/09/2024	Brazil

## WORKING PAPERS

Number	Agenda Item	Title and e-mail as alternative means of communication during virtual phase	Date	Prepared and Presented by
WP/26	5.2	ATN-BR Flexibility and Its Role in CNS/ATM Resilience: Use Case - Floods in Rio Grande Do Sul <a href="mailto:b285f827.OACI.onmicrosoft.com@ca.teams.ms">b285f827.OACI.onmicrosoft.com@ca.teams.ms</a>	02/09/2024	Brazil
WP/27	4	Regional Development of Advanced Air Mobility (AAM): Integration of EVTOL Aircraft into the Airspace <a href="mailto:0537d5f6.OACI.onmicrosoft.com@ca.teams.ms">0537d5f6.OACI.onmicrosoft.com@ca.teams.ms</a>	02/09/2024	Brazil
WP/28	5.4	FF-ICE Development in Brazil <a href="mailto:d28d2bcb.OACI.onmicrosoft.com@ca.teams.ms">d28d2bcb.OACI.onmicrosoft.com@ca.teams.ms</a>	02/09/2024	Brazil
WP/29	5.1	Roadmap for Data Standardization (Input/Outputs) Resulting from Simulations Carried Out by Airlines in ATM Projects <a href="mailto:4d2efbee.OACI.onmicrosoft.com@ca.teams.ms">4d2efbee.OACI.onmicrosoft.com@ca.teams.ms</a>	02/09/2024	Brazil
WP/30	5.3	Implementation of a TCAC in Brazil <a href="mailto:4fcbd0d5.OACI.onmicrosoft.com@ca.teams.ms">4fcbd0d5.OACI.onmicrosoft.com@ca.teams.ms</a>	02/09/2024	Brazil
WP/31	5.1	ATFM Workshop Held in Brazil <a href="mailto:419a2411.OACI.onmicrosoft.com@ca.teams.ms">419a2411.OACI.onmicrosoft.com@ca.teams.ms</a>	02/09/2024	Brazil
WP/32	5.2	CPDLC Implementation in Brazil <a href="mailto:0bf95c91.OACI.onmicrosoft.com@ca.teams.ms">0bf95c91.OACI.onmicrosoft.com@ca.teams.ms</a>	20/09/2024	Brazil
WP/33	5.1	Digital Airspace System Analysis (DASA) <a href="mailto:12428b70.OACI.onmicrosoft.com@ca.teams.ms">12428b70.OACI.onmicrosoft.com@ca.teams.ms</a>	20/09/2024	Brazil
WP/34	4	ATM Key Performance Indicators: Performance-Based Management In SISCEAB <a href="mailto:45560c91.OACI.onmicrosoft.com@ca.teams.ms">45560c91.OACI.onmicrosoft.com@ca.teams.ms</a>	20/09/2024	Brazil
WP/35	5.1	Diagnostic of the Central American Airspace <a href="mailto:4b92dab8.OACI.onmicrosoft.com@ca.teams.ms">4b92dab8.OACI.onmicrosoft.com@ca.teams.ms</a>	04/09/2024	COCESNA
WP/36	5.2	Strengthening Communications and Aeronautical Surveillance Data Exchange Between COCESNA and SENEAM <a href="mailto:31a72e81.OACI.onmicrosoft.com@ca.teams.ms">31a72e81.OACI.onmicrosoft.com@ca.teams.ms</a>	04/09/2024	COCESNA
WP/37	12	IFIS 2026 Symposium in Central America <a href="mailto:19235385.OACI.onmicrosoft.com@ca.teams.ms">19235385.OACI.onmicrosoft.com@ca.teams.ms</a>	04/09/2024	COCESNA
WP/38	12	International Cooperation Flight Inspection <a href="mailto:f726ab81.OACI.onmicrosoft.com@ca.teams.ms">f726ab81.OACI.onmicrosoft.com@ca.teams.ms</a>	04/09/2024	COCESNA
WP/39	12	Creating Regulatory Harmonization <a href="mailto:380931d9.OACI.onmicrosoft.com@ca.teams.ms">380931d9.OACI.onmicrosoft.com@ca.teams.ms</a>	04/09/2024	COCESNA
WP/40	5.2	Preventive and Corrective Measures for GNSS Interference <a href="mailto:24fe3169.OACI.onmicrosoft.com@ca.teams.ms">24fe3169.OACI.onmicrosoft.com@ca.teams.ms</a>	13/09/2024	Argentina
WP/41 Rev	2	Safety Risk Factors in CAR/SAM RVSM <a href="mailto:90b81275.OACI.onmicrosoft.com@ca.teams.ms">90b81275.OACI.onmicrosoft.com@ca.teams.ms</a>	17/10/2024	Secretariat
WP/42	5.2	PBN Landings Safety Recommendations <a href="mailto:30cc7273.OACI.onmicrosoft.com@ca.teams.ms">30cc7273.OACI.onmicrosoft.com@ca.teams.ms</a>	20/09/2024	France

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Number	Agenda Item	Title and e-mail as alternative means of communication during virtual phase	Date	Prepared and Presented by
WP/43	5.1	Higher Airspace Operations (HAO) and Space Operation <a href="mailto:1e5b7fab.OACI.onmicrosoft.com@ca.teams.ms">1e5b7fab.OACI.onmicrosoft.com@ca.teams.ms</a>	20/09/2024	Brazil
WP/44	5.2	Navigation Infrastructure and Contingency Planning <a href="mailto:56141ece.OACI.onmicrosoft.com@ca.teams.ms">56141ece.OACI.onmicrosoft.com@ca.teams.ms</a>	20/09/2024	Brazil
WP/45	12	Update of the National Planning Framework for ICAO Aviation to Facilitate Preparation of Civil Aviation Master Plans (CAMP) <a href="mailto:34c88443.OACI.onmicrosoft.com@ca.teams.ms">34c88443.OACI.onmicrosoft.com@ca.teams.ms</a>	26/09/2024	Panama
WP/46	5.2	CNS Programs and Projects – CAR Region <a href="mailto:26ed2d29.OACI.onmicrosoft.com@ca.teams.ms">26ed2d29.OACI.onmicrosoft.com@ca.teams.ms</a>	30/09/2024	Secretariat
WP/47	7	Results from the Virtual Phase	13/11/24	Secretariat
WP/48	12	GREPECAS Points of Contact (PoC)	14/11/24	Secretariat

## INFORMATION PAPERS

Number	Agenda Item	Title and e-mail as alternative means of communication during virtual phase	Date	Prepared and Presented by
IP/01 Rev. 5	---	List of Working, Information Papers and Presentations	20/11/24	Secretariat
IP/02	8	Working Session on the Use Of TCAS Advisories Data for ATS Safety Management	14/11/24	Secretariat
IP/03		Cancelled		
IP/04		Cancelled		
NI/05	5.5	Proyectos y actividades desarrolladas por el comité regional CAR/SAM para la prevención del peligro aviario y de la fauna – CARSAMPAF ( <i>available in Spanish only</i> ) <a href="mailto:d4f7915b.OACI.onmicrosoft.com@ca.teams.ms">d4f7915b.OACI.onmicrosoft.com@ca.teams.ms</a>	07/10/24	CARSAMPAF
IP/06	9	Working Session on Performance Based Planning and Management of GANP KPIs	06/11/24	Secretariat
IP/07	6	GREPECAS Dashboards <a href="mailto:813d9043.OACI.onmicrosoft.com@ca.teams.ms">813d9043.OACI.onmicrosoft.com@ca.teams.ms</a>	20/09/2024	Secretariat
IP/08	5.3	MET Program Progress Report <a href="mailto:6e99bdfc.OACI.onmicrosoft.com@ca.teams.ms">6e99bdfc.OACI.onmicrosoft.com@ca.teams.ms</a>	28/08/2024	Secretariat
IP/09	5.1	COSPAS-SARSAT Distress Alerts Database – ECCAIRS <a href="mailto:f489db66.OACI.onmicrosoft.com@ca.teams.ms">f489db66.OACI.onmicrosoft.com@ca.teams.ms</a>	13/09/2024	Suriname

INFORMATION PAPERS				
Number	Agenda Item	Title and e-mail as alternative means of communication during virtual phase	Date	Prepared and Presented by
IP/10	5.4	Current Status of SWIM Implementation in Brazil <a href="mailto:a519e970.OACI.onmicrosoft.com@ca.teams.ms">a519e970.OACI.onmicrosoft.com@ca.teams.ms</a>	02/09/2024	Brazil
NI/11	5.2	Avances en la modernización de sistemas de vigilancia de tránsito aéreo en Argentina <i>(available in Spanish only)</i> <a href="mailto:fed175e1.OACI.onmicrosoft.com@ca.teams.ms">fed175e1.OACI.onmicrosoft.com@ca.teams.ms</a>	13/09/2024	Argentina
NI/12	5.2	Consideraciones sobre despliegue 5G en Argentina <i>(available in Spanish only)</i> <a href="mailto:9d9cd42d.OACI.onmicrosoft.com@ca.teams.ms">9d9cd42d.OACI.onmicrosoft.com@ca.teams.ms</a>	13/09/2024	Argentina
IP/13	5.1	The Difficulties of Predictability and Advance Coordination Related to Random Reentry of Space Debris <a href="mailto:43d0cf01.OACI.onmicrosoft.com@ca.teams.ms">43d0cf01.OACI.onmicrosoft.com@ca.teams.ms</a>	20/09/2024	United States
IP/14	5.2	Mitigating GNSS Jamming and Spoofing: Enhancing Aviation Safety and Resilience <a href="mailto:d66fd18a.OACI.onmicrosoft.com@ca.teams.ms">d66fd18a.OACI.onmicrosoft.com@ca.teams.ms</a>	20/09/2024	United States
IP/15	4	Definition and Delimitation of Outer Space_USA <a href="mailto:e849be10.OACI.onmicrosoft.com@ca.teams.ms">e849be10.OACI.onmicrosoft.com@ca.teams.ms</a>	20/09/2024	United States
IP/16	5.2	ADS-B Implementation in the CAR Region <a href="mailto:5d209a38.OACI.onmicrosoft.com@ca.teams.ms">5d209a38.OACI.onmicrosoft.com@ca.teams.ms</a>	24/09/2024	Secretariat
IP/17	12	Harmonizing Unmanned Aircraft Operations Over the High Seas <a href="mailto:e7474639.OACI.onmicrosoft.com@ca.teams.ms">e7474639.OACI.onmicrosoft.com@ca.teams.ms</a>	27/09/2024	United States
IP/18	4	Progress of Ecuador on Key Performance Indicators Managing: KPI06 in-Route Airspace Capacity <a href="mailto:737d28cc.OACI.onmicrosoft.com@ca.teams.ms">737d28cc.OACI.onmicrosoft.com@ca.teams.ms</a>	30/09/2024	Ecuador
IP/19	5.5	Activity of the Latin American and Caribbean Association of Airport Pavements – ALACPA <a href="mailto:d56ac1d8.OACI.onmicrosoft.com@ca.teams.ms">d56ac1d8.OACI.onmicrosoft.com@ca.teams.ms</a>	02/10/2024	ALACPA
IP/20	5.1	Coordination for the Issuance of Notices for Space Vehicle Launch and Reentry <a href="mailto:2599198f.OACI.onmicrosoft.com@ca.teams.ms">2599198f.OACI.onmicrosoft.com@ca.teams.ms</a>	02/10/2024	Secretariat

PRESENTATIONS			
Number	Agenda Item	Title	Presented by
1 Rev.	10	Outcomes of the Fourteenth Air Navigation Conference (AN-Conf/14)	Secretariat
2	10	Review of the action taken by the Air Navigation Commission on the report of GREPECAS/21 and RASG-PA/13 meetings	Secretariat

<b>ORDER OF THE AGENDA ITEMS</b>	
<b>General</b>	IP/01 Rev5 (Sec.)
<b>Agenda Item 1</b>	WP/01 Rev. 2 (Sec.)
<b>Agenda Item 2</b>	WP/02Rev; WP/41Rev (Sec.)
<b>Agenda Item 3</b>	WP/03 (Sec.)
<b>Agenda Item 4</b>	WP/04; WP/05 (Sec.); WP/27; WP/34 (Brazil); IP/15 (United States); IP/18 (Ecuador)
<b>Agenda Item 5</b>	5.1 WP/07; WP/08; WP/16; WP/19 (Sec.); WP/29; WP/31; WP/33 (Brazil); WP/35 (COCESNA); WP/43 (Brazil); IP/09 (Suriname); IP/13 (United States); IP/20 (Sec.)
	5.2 WP/09 (Sec.); WP/23; WP/24; WP/26; WP/32 (Brazil); WP/36 (COCESNA); WP/40 (Argentina); WP/42 (France); WP/44 (Brazil); WP/46 (Sec.); NI/11; NI/12 (Argentina); IP/14 (United States); IP/16 (Sec.)
	5.3 WP/10; WP/11; WP/18 (Sec.); WP/30 (Brazil); IP/08 (Sec.)
	5.4 WP/12 (Sec.); WP/22 (IATA); WP/25; WP/28; IP/10 (Brazil)
	5.5 WP/13 (Sec.); NI/05 (CARSAMPAF); IP/19 (ALACPA)
<b>Agenda Item 6</b>	WP/14Rev; WP/15; WP/17; WP/20; IP/07 (Sec.)
<b>Agenda Item 7</b>	WP/47 (Sec.)
<b>Agenda Item 8</b>	IP/02 (Sec.)
<b>Agenda Item 9</b>	WP/06; IP/06 (Sec.)
<b>Agenda Item 10</b>	P/01 Rev., P/02 (Sec.)
<b>Agenda Item 11</b>	DP/01 (Sec.)
<b>Agenda Item 12</b>	WP/21 (Chile); WP/37; WP/38; WP/39 (COCESNA); WP/45 (Panama); WP/48 (Sec.), IP/17 (United States)