



International  
Civil Aviation  
Organization

Organisation  
de l'aviation civile  
internationale

Organización  
de Aviación Civil  
Internacional

Международная  
организация  
гражданской  
авиации

منظمة الطيران  
المدني الدولي

国际民用  
航空组织

Ref.: LN3/20.1 – SA7323

Lima, 18 August 2023

To: Mr. Yves Tatibouet, Regional Director of Civil Aviation Authority (DSAC)  
for French Antilles and French Guiana  
Mr. Philippe Versi, Regional Director, West Indies and French Guiana  
Lt. Col. Egbert Field, Director General, Guyana Civil Aviation Authority  
H.E. Albert Egbert Jubithana BBA, Minister of Transport, Communication and Tourism,  
Suriname

Subject: **RLA/03/901 - REDDIG Management System and Satellite Segment Administration**  
Tenth Technical/Operational Meeting for the operation of the REDDIG II digital network  
(RTO/10) (Lima, Perú, del 24 al 27 de octubre de 2023)

Required  
action: Confirm participation as soon as possible

Dear Sir/Madam:

I have the honor to refer to Regional Project RLA/03/901 and invite your Administration to participate in the **Tenth Meeting on the Technical-Operational Implementation of the REDDIG II Digital Network (RTO/10)**, which will be held in Lima, Peru on 24 and 27 October 2023.

The event is aimed at technicians in charge of maintaining the nodes of the REDDIG II network, who will have the opportunity to review the procedures for the operation and maintenance of REDDIG II, the coordination required for adjustments, repairs, the sending and receiving of parts damaged and repaired, the review of the REDDIG II maintenance and operation manual, and receive other information on the implementation of the new regional network (REDDIG III), which should become operational in January 2025.

Attached hereto I send you as **Attachment A**, the *mnemonic paper* of RTO/10 which describes general information of the event and as **Attachment B**, the *tentative agenda* of the issues to be discussed at the RTO/10 Meeting.

It is important to inform that this event has been covered thanks to the contribution of your State, taking into account that part of the annual fee that has been sent to the International Civil Aviation Organization (ICAO) has an item established for this purpose.

In that regard, I will greatly appreciate it if you confirm the participation of your Administration in the events indicated, by sending the *registration form* (**Attachment C**) duly completed with respect to each delegate. For this event, a fellowship will be allocated for each node of REDDIG II (*fellowship form* submitted as **Attachment D**).

The *information paper* containing general information, such as the location of the events, the list of recommended hotels, and other documentation will be published in a timely manner on the website of this [www.icao.int/sam](http://www.icao.int/sam) Office and will not be printed or distributed during the events, being desirable that delegates carry it with them physically or by electronic means.

RTO/10 will mark the twentieth year of existence of the Regional Technical Cooperation Project RLA/03/901. In this regard, I am pleased to inform you that, in commemoration of the 20th anniversary of the management/administration of the South American Digital Network (REDDIG), through the RLA/03/901 Project, a small agape will be held on Thursday, October 26, at 4:00 p.m., later we will be communicating the place.

Mr. Francisco Almeida ([falmeida@icao.int](mailto:falmeida@icao.int)), CNS Regional Officer of the ICAO South American Regional Office, is at your disposal should you require any additional information about this event.

Accept, Sir/Madam, the assurance of my highest consideration.



Fabio Faizi Rahnemay Rabbani  
Regional Director  
ICAO South American Office  
Lima

cc: Mr. Patrick Pezzeta, Deputy Director, Antilles-Guyane, French Antilles  
Mr. Alain Kerhascoet, Head of French Guiana Air Control Centre Cayenne-Félix Eboué Airport, Head of the Aircraft Search and Rescue RCC  
Mr. Frederic Danlouox, Adjoint au Chef du SNA, Martinique, French Antilles-Guyane  
Mr. Damien Cazé, Director General of Civil Aviation, France  
Mrs. Estrea Noordzee, Permanent Secretary, Directorate of Transport, Suriname  
Mrs. Cindy Toemin, Acting Head of Civil Aviation Department, Suriname  
Mr. Brian de Souza, Director a.i, Civil Aviation Safety Authority Suriname, CASAS, Suriname  
ICAO EUR/NAT (*For retransmission to DGAC France*)



## OFICINA REGIONAL SUDAMERICANA DE LA OACI

### FICHA NEMOTÉCNICA

<b>Tenth Technical/Operational Meeting for the operation of the REDDIG II digital network (RTO/10) and training on technological tools for the analysis of voice and data applications transported in REDDIG</b> <b>(Lima, Peru, October 24-27, 2023)</b>	
<b>Regional Project RLA/03/901 – REDDIG Management and Satellite Segment Administration System</b>	<p>The objective of Project RLA/03/901 is to establish a multinational mechanism for the administration of the South American Digital Network (REDDIG), taking into account regional developments on this matter. Likewise, until such multinational mechanism is established, the project will manage the REDDIG, will implement CNS/ATM applications in line with the requirements of the CAR/SAM FASID and the SAM Performance-based air navigation implementation plan, will take care of the rental of the satellite segment, and will take any necessary action to upgrade the network infrastructure, based on operational requirements and available technological developments.</p> <p>The Technical-Operational meetings offer the opportunity for the REDDIG Administrator (Mr. Javier Vittor) to present the activities carried out, provide guidance, and train State representatives on network equipment/systems. Where possible, RTO meetings are to be held in cities with REDDIG nodes, so that the Administrator may have the opportunity to make an inventory of the node, review its setup, cabling and condition of the equipment. However, it is appropriate to clarify that, given the particularity that this year, 2023, is commemorating the 20 uninterrupted years of operation of the Network, this event will be held at the ICAO Regional Office, in Lima, Peru.</p>
<b>ICAO strategic objectives</b>	<p>A- Safety; and            B- Air navigation capacity and efficiency</p> <p>ASBU: B0-FICE</p>
<b>Status of the SAM Region</b>	<p>The REDDIG II was upgraded in 2015 and currently has 17 VSAT nodes: 4 nodes in Brazil, 1 node in each of the other SAM States, and 1 node in Trinidad &amp; Tobago. In addition, counts currently with 24 MPLS nodes of the terrestrial network with 4 additional nodes in the USA, COCESNA, AIREON external to SAM.</p> <p>States use the network for all voice and data communications, for coordination between adjacent control centres, for the exchange of aeronautical messages (AMHS/AFTN), surveillance data and other operational, administrative and technical maintenance information.</p>

<b>Nature of the event</b>	<p>This activity is carried out on an annual basis and seeks to improve and maintain the competencies of the technical personnel responsible for operating the REDDIG. During the Technical Operational Meeting the following activities are carried out:</p> <ul style="list-style-type: none"><li>• Presentation and detailed analysis of REDDIG performance;</li><li>• Update and review of procedures for the maintenance and operation of REDDIG;</li><li>• Exchange of experiences and knowledge about the operation of the nodes and the services that are taken;</li><li>• Presentation of reports on activities, actions and cases related to REDDIG;</li><li>• Preparation of work plans, proposals on training, purchase of spare parts and training, which are then submitted to the RCC for approval.</li><li>• Aspects related to the coordination for the implementation of new services that will be transported by REDDIG;</li><li>• Analysis of the requirements to improve network performance;</li><li>• Opportunity to provide knowledge transfer on the operation of the different services that are carried out in the network, also providing traffic analysis tools, interpretation of the information and importance of the services for the Region.</li></ul>
<b>Profile of participants</b>	<p>Engineers or technicians with sound knowledge of satellite communications (VSAT), TCP/IP protocols, MPLS, and services supported by REDDIG.</p>
<b>Contact staff at the SAM Office</b>	<p>Mr. Francisco Almeida da Silva, CNS Regional Officer <a href="mailto:falmeida@icao.int">falmeida@icao.int</a></p> <p>Mr. Cristian Javier Vittor, REDDIG Administrator <a href="mailto:jvittor@icao.int">jvittor@icao.int</a></p>

**Regional Project RLA/03/901 –  
REDDIG Management System and Satellite Segment Administration**

**TENTH TECHNICAL/OPERATIONAL MEETING FOR THE OPERATION OF THE REDDIG  
II DIGITAL NETWORK (RTO/10)**  
(Lima, Peru, October 24-27, 2023)

**PROVISIONAL AGENDA**

- Agenda Item 1: Performance of the REDDIG II to date
- Agenda Item 2: Review and updating of procedures for the maintenance and operation of the REDDIG II
- Agenda Item 3: Analysis of the requirements for improving the performance of the REDDIG II
- Agenda Item 4: Other business

## **EXPLANATORY NOTES OF THE PROVISIONAL AGENDA**

### **Agenda Item 1: Performance of the new REDDIG II since its commissioning**

Under this agenda item the meeting will be briefed on the performance of REDDIG II to date.

### **Agenda Item 2: Review and updating of procedures for the maintenance and operation of the REDDIG II**

Under this agenda item, the procedures necessary to carry out the maintenance and operation of the services in REDDIG II, the 'backup' of the network information, the regional telephone directory the numbering tables of the voice and data interfaces of each network node, as well as the standardization of the configurations for native IP services will be reviewed and updated. Likewise, items related to the interconnections of different systems for data exchange (Regional and Inter-Regional - AMHS, radar data, AIDC, ADS-B, etc.). Aspects related to the operational part will also be discussed, and issues that must be taken into account when implementing new systems that interconnect with REDDIG.

### **Agenda Item 3: Analysis of the requirements for improving the performance of the REDDIG II**

Under this agenda item, taking into account the results of the analysis of the behavior of REDDIG II from its commissioning to date, as well as the review of the procedures for the maintenance and operation of REDDIG II, the Meeting will proceed to the analysis of the short and medium term requirements for the improvement of the benefits of REDDIG II. In this sense, issues related to security, the inclusion of additional nodes inside and outside the Region, inclusion of new services, up-grade bandwidths of the terrestrial network, etc. will be addressed. Aspects related to a future network, useful life of the equipment that makes up the current REDDIG and possible actions. Next REDDIG foreseen for the end of 2024.

### **Agenda Item 4: Other business**

Under this Item, the Meeting might analyse any other topics it may deem convenient.



**Regional Project RLA/03/901 –  
REDDIG Management System and Satellite Segment Administration**

**TENTH TECHNICAL/OPERATIONAL MEETING FOR THE OPERATION OF THE REDDIG  
II DIGITAL NETWORK (RTO/10) AND TRAINING ON TECHNOLOGICAL TOOLS FOR  
THE ANALYSIS OF VOICE AND DATA APPLICATIONS TRANSPORTED IN REDDIG  
(Lima, Peru, October 24-27, 2023)**

**TENTATIVE WORK PROGRAMME**

<b>HOURL (Lima)</b>	<b>Thursday 24 October</b>	<b>HOURL (Lima)</b>	<b>Wednesday 25 October</b>	<b>Thursday 26 October</b>	<b>Friday 27 October</b>
0800 0830	Registration of participants				
0830 0840	Opening of the Meeting	0800 0925	Agenda Item 2	REDDIG Training	REDDIG Training
0840 0940	Agenda Item 1				
0940 1000	<i>15 min Break</i>	0925 0940	<i>15 min Break</i>		
1000 1200	Agenda Item 1	0940 1100	Agenda Item 3	REDDIG Training	REDDIG Training
1200 1250	<i>50 min Break</i>	1100 1150	<i>50 min Break</i>		
1250 1430	Agenda Item 2	1150 1330	Agenda Item 4	REDDIG Training	REDDIG Training