



Agenda Item 5: Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations

FOLLOW UP TO THE IMPLEMENTATION OF THE NEW SOUTH AMERICAN DIGITAL NETWORK – REDDIG II

(Working paper presented by the Secretariat)

SUMMARY	
This working paper presents information on progress made in the implementation of the new South American digital network – REDDIG II.	
REFERENCES	
<ul style="list-style-type: none">• Report of the Twelfth Meeting of Civil Aviation Authorities of the SAM Region (RAAC/12) (Lima, Peru, 3-6 October 2011);• Report on the Ninth Meeting of the SAM Implementation Group (Lima, Peru, 14-18 May 2012);• Report of the Evaluation Committee on the outcome for the procurement of the REDDIG II (Montreal, Canada, 29 June 2012);• Report of the Fifteenth Meeting of the REDDIG Coordination Committee (Lima, Peru, 15-17 August 2012); and• Report of the REDDIG II negotiation meeting (Montreal, Canada, 27-31 August 2012).	
ICAO strategic objectives:	<i>A – Safety; and C – Environmental protection and sustainable development of air transport.</i>

1. Background

1.1 The REDDIG II tender was convened by the section of acquisitions of the ICAO Technical Cooperation Bureau on behalf of the member States of the REDDIG as a follow-up to the Conclusion RACC/12-6 *Start-up of the bidding process for the implementation of the new REDDIG II digital network*, agreed by the Twelfth Meeting of Civil Aviation Authorities of the SAM Region (RAAC/12), whereby the authorities approved begin the bidding process through ICAO.

1.2 The technical specification of REDDIG II document was elaborated with the support of the ICAO technical cooperation regional projects RLA/06/901 and RLA03/901, through which it was possible to count with experts from the region (Argentina and Brazil), who prepared it under the coordination of the REDDIG Administration. The technical specifications document was circulated to all REDDIG member States for review. The revised document was sent to the ICAO Technical Cooperation Bureau to start the bidding process.

1.3 The tender specifications closed ST 22501135 *REDDIG II Implementation*, was convened on April 3, 2012, with original close date on 1 June 2012, being extended to 15 June 2012, at the request of the potential bidders.

2. Analysis

2.1 The REDDIG management, before the start of the bidding process, elaborated a document for the evaluation of tenders with the criteria weighting of technical and financial parts. It was considered that the technical part represented the 60% of the assessment and the financial part 40%. Only companies that reach at least 70% of the technical evaluation should be considered for the evaluation of the financial part. The maximum score in the financial part would have the company that presented the lower cost.

2.2 The evaluation of the bids was carried out in the ICAO Technical Cooperation Bureau in Montreal, Canada, from 18 to 29 June 2012 with the presence of representatives of the following REDDIG member States Argentina, Brazil, France (on behalf of French Guiana), Paraguay and Peru, as well as the REDDIG Management. The representatives of the States were nominated by their respective administrations in response to a communication sent by the ICAO South American Regional Office to all member States of the REDDIG as a follow-up to the Conclusion RAAC/12-6.

2.3 As a result of the evaluation to the winning bid, the evaluation group made some observations and additional requirements that the winning company should provide to complete the requirements established for REDDIG II.

2.4 The fifteenth meeting of the REDDIG Coordination Committee (RCC/15) (Lima, Peru, 15 to 17 August 2012), approved the results of REDDIG II's tender evaluation process through Conclusion 15/3, and examined the aspects that would be dealt with during the negotiation process.

2.5 The negotiation process was conducted at the ICAO Technical Cooperation Bureau in Montreal, Canada, from 27 to 31 August 2012. In it, representatives from the company recommended as the winner, from ICAO and, as observers, from Brazil and Trinidad & Tobago, participated. In the negotiation process, the proposed objectives were achieved upon, without exceeding the estimated cost approved for REDDIG at RAAC/12 meeting.

2.6 During the negotiation phase, the contents in the REDDIG contract to be signed between the winning company and ICAO, was also reviewed. The contract would be carried out in two phases, in Phase 1, to be carried out in the last quarter of 2012, the winning company would present all design documents, the installation procedures, the training manuals, and the factory acceptance documents, on site and of the network, which would be examined by the REDDIG member States and ICAO and, in Phase 2, the contract would be signed, once all REDDIG II member States had cancelled their corresponding quotas (end of March 2013). As of the second semester of 2013, the purchasing, installation and operation of REDDIG II would start.

2.7 It is important that all REDDIG II member States actively participate in all activities taken under consideration in the REDDIG II contract, Phases 1 and 2.

2.8 The REDDIG II member States should nominate or ratify the current REDDIG focal points for the supervision and acceptance of the Works at their REDDIG nodes, as well as the network acceptance test.

3. **Action suggested**

3.1 The Coordination Committee is invited to:

- a) Take note of the information provided with this paper;
- b) Analyze the REDDIG II implementation activities described in Section 2 to this working paper; and
- c) Analyze other considerations on this matter that be esteemed necessary.

- - - - -

TENTATIVE TIME SCHEDULE / PHASES (31 August 2012) / PROGRAMA TENTATIVO - FASES (31 agosto 2012)



TENTATIVE TIME SCHEDULE / PHASES (31 August 2012) / PROGRAMA TENTATIVO - FASES (31 agosto 2012)

ID	Nom de la tâche	Duration	2012		Qtr 4, 2012			Qtr 1, 2013			Qtr 2, 2013			Qtr 3, 2013			Qtr 4, 2013			Qtr 1, 2014			Qtr 2, 2014			Qtr 3, 2014			Qtr 4, 2014			Qtr 1, 2015			Qtr 2, 2015			Qtr 3, 2015			
			Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
44	Theoretical-practical course in Rio de Janeiro / Curso teórico-práctico en Río de Janeiro	56 days																																							
45	Training documentation remittance / Envío documentos para entrenamiento	0 days																																							
46	Session 1 (10 Spanish-speaking) / Sesión 1 (10 personas en español)	2 wks																																							
47	Session 2 (10 Spanish-speaking) / Sesión 2 (10 persons en español)	2 wks																																							
48	Session 3 (10 Spanish-speaking) / Sesión 3 (10 personas en español)	2 wks																																							
49	Session 4 (10 English-speaking) / Sesión 4 (10 personas en inglés)	2 wks																																							
50	On-site installation activities / Actividades de instalación en el sitio	60 days																																							
51	Simultaneous on-site installation / Instalación todos los sitios en forma simultánea	2 wks																																							
52	PSAT / NSAT (provisional and network acceptance test) / (Prueba de aceptacion provisional y de red)	1 day																																							
53	PSAT / NSAT Signature / Firma	0 days																																							
54	FSAT (Final acceptance test) / (Prueba de aceptacion final)	4 wks																																							
55	FSAT signature / Firma FSAT	0 days																																							
56	Two (2) years' guarantee / Dos (2) años de garantía	94 wks																																							