



REDDIG RCC/17

**INTERNATIONAL CIVIL AVIATION ORGANIZATION**

**RLA/03/901**

**SEVENTEENTH MEETING OF THE  
COORDINATION COMMITTEE  
(RCC/17)**

**FINAL REPORT**

**(Lima, Peru, 24 to 26 March 2014)**

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## **HISTORY OF THE MEETING**

### **ii-1. PLACE AND DURATION OF THE MEETING**

The Seventeenth Meeting of the Coordination Committee of Project RLA/03/901 -- *REDDIG Management System and Satellite Segment Administration*, was carried out in the ICAO South American Regional Office, in Lima, Peru, from 24 to 26 March 2014.

### **ii-2. OPENING**

Mr. Franklin Hoyer, Regional Director of the ICAO South American Regional Office, welcomed the participants, pointing out the importance of the topics to be dealt with and wishing success in the deliberations. Thereafter, he inaugurated the meeting.

### **ii-3. WORKING LANGUAGES**

The meeting working languages for the discussions and documentation were Spanish and English.

### **ii-4. PARTICIPANTS AND ORGANIZATION**

The meeting counted with the assistance of 10 member States (Argentina, Brazil, Chile, Colombia, Ecuador, France, Paraguay, Peru, Trinidad & Tobago, and Uruguay), and one international organization (COCESNA), making a total of 26 participants, including ICAO officers. The list of participants is being presented in page iii-1.

Mr. Onofrio Smarrelli, Communications, Navigation and Surveillance (CNS) Regional Officer, acted as Secretary, assisted by Ms. Verónica Chávez, Technical Assistant Officer, and Mr. Luis Alejos, REDDIG Administrator.

### **ii-5. LIST OF CONCLUSIONS**

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**Agenda Item 1: Approval of the agenda and of the meeting schedule**

1.1 Under this Agenda Item, the Meeting reviewed and approved the agenda and meeting schedule included as **Appendices A and B** to this part of the Report.

**APPENDIX A****AGENDA**

- Agenda Item 1:** Approval of the agenda and of the meeting schedule
- Agenda Item 2:** Review of the report of the Sixteenth Meeting of the Coordination Committee
- Agenda Item 3:** Report of the activities carried out to date since the last meeting of the Coordination Committee
- Agenda Item 4:** Work plan for 2014
- Agenda Item 5:** Financial situation of the project and approval of the budget
- Agenda Item 6:** Annual project evaluation
- Agenda Item 7:** Other matters

## EXPLANATORY NOTES

### **Agenda Item 1: Approval of the agenda and of the meeting schedule**

The Coordination Committee will consider and approve the provisional agenda and meeting schedule proposed by the Secretariat for its seventeenth meeting.

### **Agenda Item 2: Review of the report of the Sixteenth Meeting of the Coordination Committee**

The Committee will review, for approval, the report of its sixteenth meeting held in Lima from 18 to 20 March 2013. Likewise, the Committee will analyze the status of implementation of conclusions formulated during said meeting, as well as of conclusions in force from previous meetings.

### **Agenda Item 3: Report of the activities carried out to date since the last meeting of the Coordination Committee**

The Committee will analyze the activities carried out since its last meeting regarding:

- a) Training programme for year 2013;
- b) Implementation of new services;
- c) REDDIG logistics aspects; and
- d) Follow-up to REDDIG II implementation.

### **Agenda Item 4: Work plan for 2014**

The Committee will analyze the work programme for 2014:

- a) REDDIG II training programme;
- b) REDDIG II installation and operation; and
- c) MEVA III / REDDIG installation and operation.

### **Agenda Item 5: Financial situation of the project and approval of the budget**

The Committee will consider the status of the cost-sharing contributions to the project and a summary of the obligations assumed during 2013, as well as the project budget for 2014 for approval. In addition, it will analyze for approval the costs involved for MEVA / REDDIG interconnection, as consequence of the implementation of the new MEVA network (MEVA III).

### **Agenda Item 6: Annual project evaluation**

The Committee will take note of the project's situation at the end of the year, including the management and outputs indicators, as well as the monitoring and control of the project with regard to the approved work plan for 2013, shown in the corresponding forms, concluding with the review of the survey conducted among participant States concerning their annual project evaluation.

### **Agenda Item 7: Other matters**

Under this agenda item, the Committee could analyze any other related issue deemed appropriate.

**APPENDIX B**  
**MEETING SCHEDULE**

Hour	Monday	Tuesday	Hour	Wednesday
08:15 - 09:00	08:15 Registration 08:45 Opening ceremony			
09:00 – 10:45	<p><b>Agenda Item 1:</b> Approval of the agenda and of the meeting schedule</p> <p><b>Agenda Item 2:</b> Review of the report of the Sixteenth Meeting of the Coordination Committee</p> <p><b>Agenda Item 3:</b> Report of the activities carried out to date since the last meeting of the Coordination Committee</p>	<p><b>Agenda Item 5:</b> Financial situation of the project and approval of the budget</p>	10:00-12:00	Review of report
10:45 - 11:00	<i>Coffee break</i>	<i>Coffee break</i>	12:00-12:15	Closing ceremony
11:00 - 12:45	<b>Agenda Item 3:</b> Continuation	<b>Agenda Item 6:</b> Annual project evaluation		
12:45 - 13:30	<i>Lunch break</i>	<i>Lunch break</i>		
13:30 - 15:00	<b>Agenda Item 4:</b> Work plan for 2014	<b>Agenda Item 7:</b> Other matters		

**Agenda Item 2: Review of the report of the Sixteenth Meeting of the Coordination Committee**

2.1 Under this Agenda Item, the Meeting examined and approved the report of the Sixteenth meeting of the REDDIG Coordination Committee (RCC/16) held in Lima, Peru, from 18 to 20 March 2013, attended by representatives of 9 member States (Argentina, Bolivia, Brazil, Chile, Colombia, Paraguay, Peru, Trinidad & Tobago and Uruguay), totalizing 17 participants, including the ICAO officials.

2.2 The RCC/16 meeting reviewed the results of the fifteenth meeting of the REDDIG coordination committee, which presented the report of the activities carried out to date since the last meeting of the Coordination Committee; follow-up to REDDIG II implementation activities; work plan for year 2013; financial situation of the project and approval of the budget; annual project evaluation; and other matters.

2.3 The RCC/16 meeting formulated the following conclusions:

<i>RCC/16-1</i>	<i>Support of the civil aviation authorities to the focal points nominated for the implementation of REDDIG II</i>
<i>RCC/16-2</i>	<i>Functions of the REDDIG II focal points</i>
<i>RCC/16-3</i>	<i>Payment of cost sharing contributions to Project RLA/03/901</i>
<i>RCC/16-4</i>	<i>Approval of Revision "R" of project RLA/03/901's budget</i>
<i>RCC/16-5</i>	<i>Customs clearance updatings</i>
<i>RCC/16-6</i>	<i>New web page of Project RLA/03/901</i>
<i>RCC/16-7</i>	<i>REDDIG Interference with the IMT system</i>

2.4 The Meeting examined the valid conclusions presented in WP/2, whose results are shown in the **Appendix** to this part of the report.

## APPENDIX

### CONCLUSIONS ADOPTED BY THE REDDIG COORDINATION MEETINGS THAT REMAIN VALID AND THEIR STATUS OF IMPLEMENTATION

No.	Title	Content	Status	Remarks
8/8	REDDIG Administration	That, until such time that the institutional aspects related to the management of multinational systems for the provision of air navigation services are more clearly defined, the States agree that, for the next two years, starting 15 October 2005, the REDDIG will continue to be managed through the ICAO technical cooperation mechanism, as an extension of Regional Project RLA/03/901.	Valid	Whereas the establishment of the South American Air Navigation and Safety Organization, multinational system with ability to manage the REDDIG continues undefined, RCC/15 meeting (Lima, Peru, 15-17 August 2012) approved the RLA/03/901 project document substantive revision, extending the management of REDDIG until 2018.
14/1	Implementation of new ATS speech circuits in REDDIG	That, with the aim of increasing the speech communications availability currently carried out through VHF –FM links at the ATS units located in the Brazilian borders: a) The aeronautical administrations of Argentina, Bolivia, Brazil, Colombia and Paraguay prepare an action plan for the implementation of local links between the border ATS unit and the corresponding REDDIG node, to transport the ATS speech circuits indicated under this Agenda Item, paragraph 3.1, and that it be sent to the ICAO Regional Office by 30 June 2011; and b) The REDDIG administration proceeds with the configuration of REDDIG for the inclusion of these circuits.	Valid	The following circuits have been implemented: Tabatinga (Brazil) –Leticia (Colombia) Corumbá (Brazil) - Puerto Suarez (Bolivia) Foz do Iguacu (Brazil) - Cataratas (Argentina) Uruguaiana (Brazil) - Paso de los Libres (Argentina)  The installation of the Foz do Iguacu (Brazil) - Guaraní (Paraguay) has started. From the Brazilian side, the local link between Foz do Iguacu and the Curitiba REDDIG node has been completed and, from the Paraguayan side, the local link between Guaraní and Asunción, through the Paraguayan VSAT network, has been carried out. Information was provided that the circuit will become operational during the first week of April 2014.  The implementation of the Guajaramirim (Brazil) – Guayaramirín (Bolivia) is still pending

No.	Title	Content	Status	Remarks
15/1	Operational traffic at the MEVA II/REDDIG interconnection AFTN circuits	<p>That,</p> <p>a) the aeronautical administrations of Colombia and Venezuela coordinate with the respective MEVA II member States for the completion, before 30 September 2012, of the AFTN circuit operation through the MEVA II/REDDIG interconnection circuits indicated in paragraph 3.3 of this Agenda Item, since said circuits are currently being paid to the MEVA II service provider; and</p> <p>b) Brazil continue coordinations with United States with the aim of completing the trials and starting the operation of the AFTN circuit, by 30 October 2012.</p>	Valid	<p>In April 2013, the end-to-end trials to the following AFTN circuits of the REDDIG/MEVA interconnection were successfully completed:</p> <p>a) Brazil (Manaos) – United States (Atlanta via Bogota) at 9600 bps; and</p> <p>b) Colombia (Bogota) – Panama (Panama) at 2400 bps.</p> <p>The Colombia-Panama AFTN circuit is operational. Pending is the operational implementation of the Brazil-Atlanta AFTN circuit.</p> <p>The Brazil-Atlanta AFTN circuit is not being billed within the RLA/03/901 recurrent services paid to the MEVA II provider (Contract 22500187)</p>
15/4	Payment of cost sharing contributions to Project RLA/03/901	<p>That,</p> <p>a) REDDIG member States that have not yet deposited their cost-sharing contributions to RLA/03/901 Project for the years 2011 and 2012, are encouraged to do so as soon as possible to allow the normal development of project activities, and</p> <p>b) Likewise, States that have not yet responded to letters requesting to deposit the funds required to finance the REDDIG II, are urged to do so as soon as possible during the second half of 2012, so that ICAO can sign the contract with the company winning the tender.</p>	Valid	<p>a) Suriname has not yet cancelled its 2012 quota</p> <p>b) All States have made the contribution pertaining to the quota for REDDIG II purchasing</p>
16/1	Support of the civil aviation authorities to the focal points nominated for the implementation of REDDIG II	<p>That the REDDIG member States Civil Aviation Authorities provide the focal point(s) nominated for the implementation of REDDIG II, all necessary facilities for the conduct of all activities required for their functions.</p>	Valid	<p>Taking into consideration the importance of this conclusion for the successful implementation of REDDIG II, the Thirteenth Meeting of Civil Aviation Authorities of the SAM Region (RAAC/13) (Bogota, Colombia, 4-6 December 2013) formulated Conclusion RAAC/13-7 - <i>Facilitating active participation in all REDDIG II implementation activities.</i></p> <p>In this respect, the Meeting regretted the absence of the focal points from Bolivia, Guyana, Suriname and Venezuela.</p>

No.	Title	Content	Status	Remarks
16/2	Functions of the REDDIG II focal points	<p>That the REDDIG member States civil aviation authorities take into account the following functions required from the focal point(s) nominated by their administration:</p> <ul style="list-style-type: none"> <li>a) Participate in follow-up meetings regarding REDDIG II implementation;</li> <li>b) Assist to REDDIG II to courses scheduled for REDDIG II;</li> <li>c) Review and approve the SDD and other documents provided by the bid winning company;</li> <li>d) Obtain frequencies licenses from the entities in charge of the radio electrical frequency spectrum administration;</li> <li>e) Arrange for the clearance of equipment from customs;</li> <li>f) Follow-up on the activities regarding REDDIG II installations; and</li> <li>g) Participate in provisional and final acceptance tests and in the signature of the respective minutes.</li> </ul>	Valid	With regard to item c), the focal points have, together with the REDDIG Administration, reviewed and approved the SDD (December 2013), thus completing Phase 1 of the REDDIG II implementation contract
16/3	Payment of cost sharing contributions to Project RLA/03/901	<p>That:</p> <ul style="list-style-type: none"> <li>a) Argentina, Suriname and Trinidad y Tobago make the deposit of cost-sharing contributions of Project RLA/03/901 corresponding to year 2012; and</li> <li>b) Argentina, Bolivia, Chile, Paraguay, Suriname and Venezuela deposit as soon as possible the REDDIG II extraordinary quota, in order to satisfactorily finalize the process of hiring the REDDIG II and ensure continued availability of the network.</li> </ul>	Valid	<ul style="list-style-type: none"> <li>a) Suriname has not yet cancelled its 2012 quota</li> <li>b) All REDDIG member States have deposited the extraordinary quota pertaining to REDDIG II implementation</li> </ul>
16/5	Customs clearance updatings	That Project RLA/03/901 member States update the information concerning domestic customs clearance requirements and send it to the Project Administration by 31 May 2013, with a view to expediting the import of equipment and spare parts for the REDDIG Project.	Valid	The Regional Office has not received, to date, the information required. In this regard, the project management will take under consideration the information it has currently available. During RCC/17, information was provided that the REDDIG II contract had been translated into Spanish and that same would be submitted to each of the member States.

No.	Title	Content	Status	Remarks
16/7	REDDIG interference with IMT system	That REDDIG member States register and document any interferences at the REDDIG nodes [Fixed Satellite Service (FSS)] with International Mobile Telecommunications (IMT) system and inform of them to the local entity administrating the radio frequency spectrum, as well as the REDDIG Administration, and coordinate with the local radio frequency spectrum administration the protection of the 3.4 to 4.2 Ghz band to ensure continuous availability of the aeronautical services at this frequency band.	Valid	No additional interferences have presented themselves at the REDDIG nodes with the International Mobile Telecommunications (IMT) system.

**Agenda Item 3: Report of the activities carried out to date since the last meeting of the Coordination Committee**

3.1 The Meeting analysed the progress made in the implementation of the following main activities agreed upon at the last meeting of the Coordination Committee (RCC/16), carried out since then up to the date of this RCC/17 meeting:

- a) REDDIG II implementation process;
- b) Implementation of new services;
- c) 2013 training programme;
- d) REDDIG logistics and availability aspects.

***REDDIG II implementation process***

3.2 The Meeting was informed that, as a result of the bidding process for the implementation of the new South American Digital Network, started in June 2012, ICAO and the awardee of the REDDIG II bidding process (INEO & Level 3 Consortium) signed the contract on 9 May 2013 with the number ST-22501200, thus starting the execution of the REDDIG II contract.

3.3 The Meeting recalled that the contract will be executed in two phases. In Phase 1, corresponding to the preparation, review and approval of the REDDIG II design, installation procedures, training manuals, factory acceptance documents, site acceptance documents and final documentation, as well as the network management system (NMS), while Phase 2 consists of the installation of the REDDIG II.

3.4 In addition, the Meeting noted that the INEO & Level 3 Consortium completed the preparation of the documents contained in Phase 1, submitting them via DHL on 22 August 2013 (WAYBILL 80 2365 3315) to the ICAO South American Regional Office for the review and approval of the REDDIG members. The documentation submitted as per contract ST 22501200 was the following:

- a) A set of printed manuals
  - REDDIG II design document (SDD VSAT and GBB) (One volume);
  - Network management document (SDD NMS) (One volume);
  - Documents containing the technical description (Two volumes);
  - Document containing the trial acceptance protocols (One volume);
  - Document containing training material (Two volumes); and
  - Installation charts for each of the REDDIG II nodes (SDD PLAN PART) (One volume).
- b) Electronic copy of all of the above indicated documents.

3.5 The Meeting was informed that copy of all the electronic documentation was uploaded to the REDDIG website ([www1.lima.icao.int/reddig/](http://www1.lima.icao.int/reddig/)) on 21 August 2013 (date when INEO submitted an electronic copy to the ICAO SAM Regional Office of all documents corresponding to Phase 1 of the contract), and immediately sent to all REDDIG II focal points for their review. The REDDIG II Technical/Operational Meeting (RTO) (Lima, Peru, 9-13 September 2013) reviewed and approved the Phase 1 documents.

3.6 Note was taken that the final documentation corresponding to Phase 1 of the contract has been uploaded in the ICAO SAM website <http://www1.lima.icao.int/reddig/site/login>.

3.7 In this regard, the Meeting deemed convenient that all REDDIG ii focal points should have all REDDIG II documentation in hand, and have it with them during the REDDIG equipment installation, with the aim that the REDDIG II nodes are installed in conformity with the indications in the documentation.

### ***Implementation of new services***

3.8 The Meeting was informed on the implementation of the following services in 2013:

- a) Foz do Iguacu (Brazil) – Cataratas (Argentina) ATS speech service;
- b) Uruguiana (Brazil) – Paso de Los Libres (Argentina) ATS speech service;
- c) Corumbá (Brasil) – Puerto Suárez (Bolivia) ATS speech service; and
- d) Colombia-Panama AFTN service, through MEVA/REDDIG interconnection

3.9 With regard to the Tabatinga (Brazil) – Leticia (Colombia) ATS speech service, implemented since 2012, recommendation was given to the Brazilian and Colombian administrations to heighten the margin of the satellite links of the Manaus-Tabatinga and Bogota-Leticia segments, with the aim of obtaining acceptable satellite signal levels at both ends of the service, even in conditions of extreme rainfall in the geographical area where these sites are located.

3.10 In turn, the delegate from Paraguay informed the Meeting that the local segment of the Foz de Iguazu (Brazil) and Guarani (Paraguay) circuit would be completed by mid-April 2014. The local segment between Guarani and Asuncion would be carried out through the Paraguayan VSAT network.

3.11 In addition, the delegates from Argentina and Uruguay indicated their interest in establishing the Concordia (Argentina) and Salto (Uruguay) ATS speech circuit via REDDIG.

### ***Training programme for 2013***

3.12 The Meeting noted that, as part of the 2013 work plan, a second Course on ATS Message Handling System (COM-AMHS) and Interconnection Aspects took place in Lima, Peru, from 24 to 28 June 2013. 38 specialists from the aeronautical communications services operational and technical areas from 9 SAM and 1 CAR REDDIG member States participated, five of them through Project fellowships. The holding of this Course was arranged with the ATM Training Department of the Eurocontrol Air Navigation Services Institute, and was dictated by an instructor from said entity.

3.13 The Course's objective was to present information on the technical design of an AMHS system (data networks, server topology, user configuration, routing tables, monitoring and supervision tools, interconnection with other AMHS systems, etc.), as well as on operational topics, such as the design of an addressing and correct routing policy, strategies of flow migration from AFTN to AMHS, and particular attention to the contents related to interconnection of AMHS systems and operating procedures of resolution and escalation of incidences.

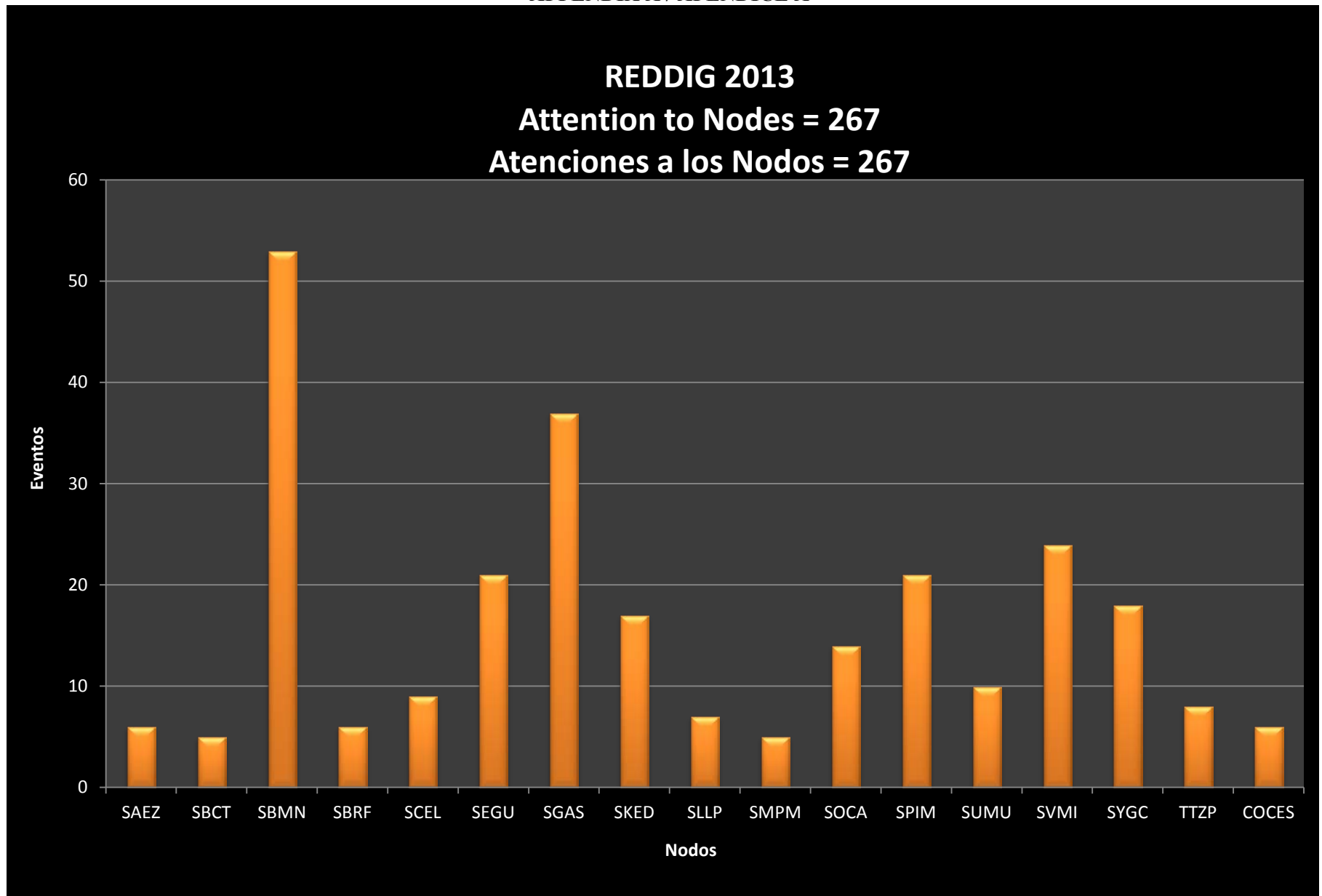
***REDDIG logistics and availability aspects***

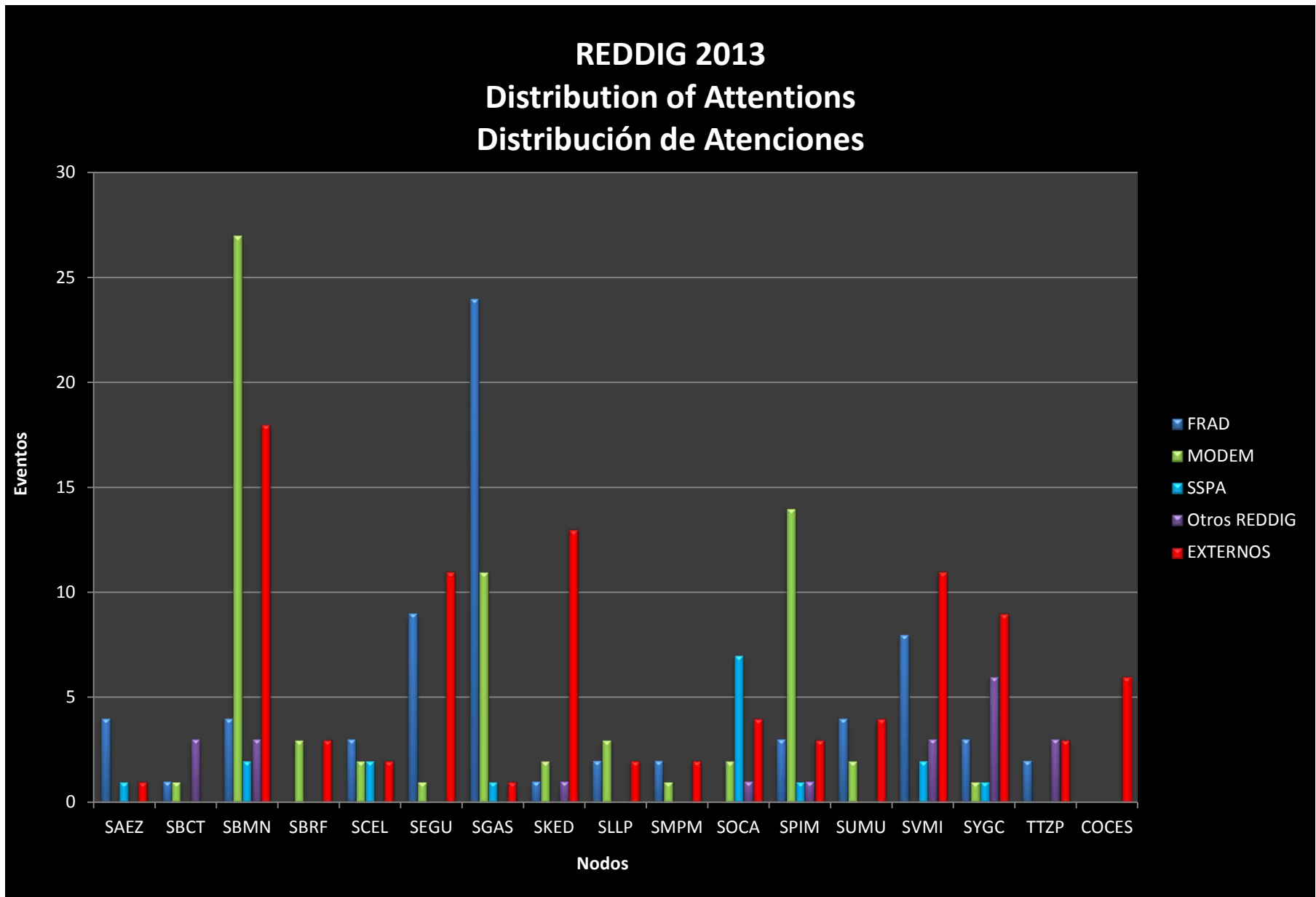
3.14 The Meeting was informed that the logistical operations, mainly originated by failures in the node, include the remittance of equipment or spare parts from the REDDIG storage site, located in the ICAO SAM Regional Office in Lima, or from any other node, to the node requiring them, including coordinations with the factories for the repair of the equipment, payment for any transportation and costs involved, as well as coordination and support to States for any import and export involved, and that during 2013, 13 logistical operations were carried out. The summary of equipment failures and spare parts is shown in **Appendix A** to this Agenda Item.

3.15 In addition, the Meeting was informed of the 2013 statistics pertaining to the amount of attentions provided to the network node, as well as their distribution as regards the type of equipment originating the attention. These statistics as shown in **Appendix B** to this part of the Report.

3.16 Finally, the Meeting was informed of the network availability since 2004 up to the end of 2013, which indicates it has kept around 99.995%. The chart showing the availability behaviour is shown in **Appendix C** to this Agenda Item.

APPENDIX A / APENDICE A

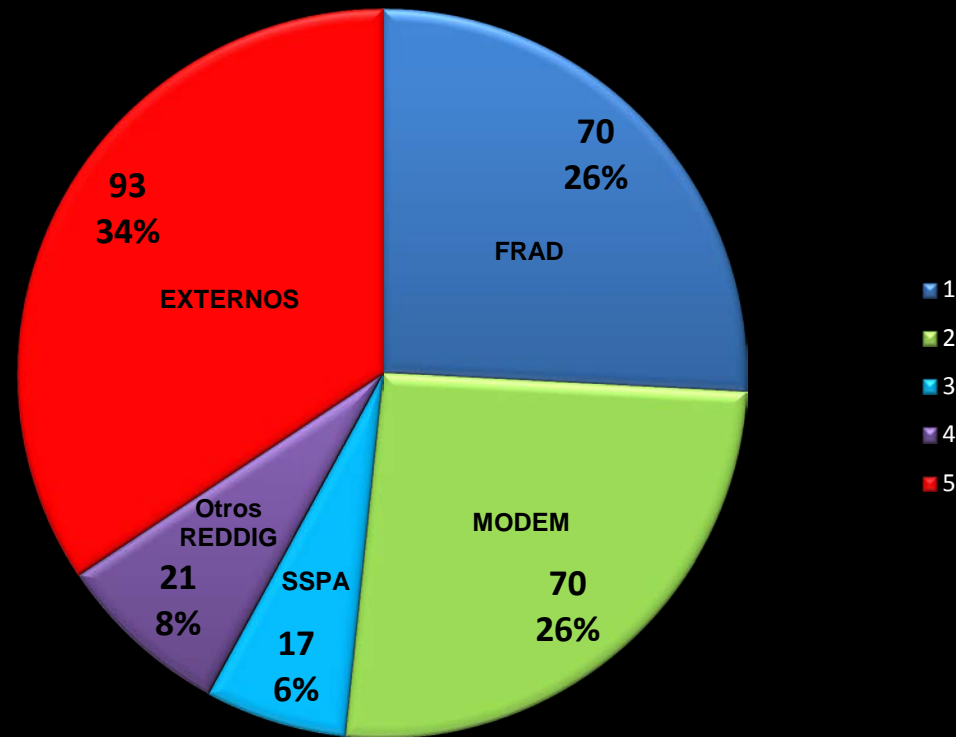




### REDDIG 2013

#### Distribution of Attentions per Equipment Category

#### Distribución de Atención por Categoría de Equipo

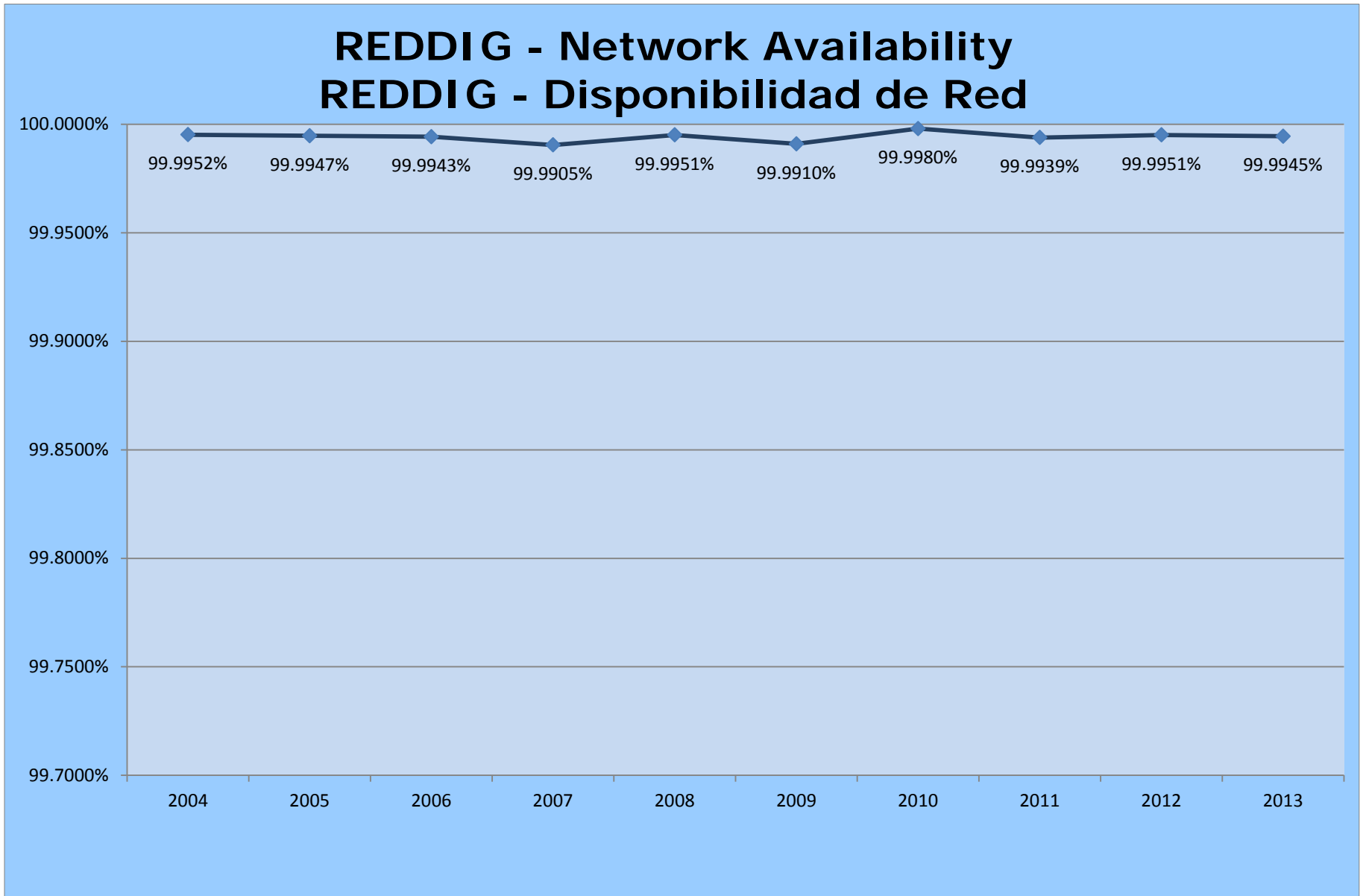


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**APPENDIX B / APÉNDICE B****SUMMARY OF FAILURES AND PARTS - 2013  
RESUMEN DE AVERÍAS Y PARTES - 2013**

<b>FRAD</b>	Factory/Fábrica:	Memotec
(2)	Motherboard CX950	: (2) SGAS
(4)	Internal Fan	: (2) SGAS, (2) SEGU
(4)	Universal I/O Card	: (2) SGAS, (1) SBMN, (1) SEGU
(2)	Multi I/O Card	: (1) SGAS, (1) SYGC
(1)	E1 DIM Card	: (1) SEGU
<b>MODEM</b>	Factory/Fábrica:	ViaSat
(4)	Quad Output P.S.	: (1) SPIM, (1) SBMN, (1) SUMU, (1) SLLP
(1)	Internal Fan	: (1) SPIM
<b>SSPA</b>	Factory/Fábrica:	Paradise Datacom
(4)	Internal Fan	: (2) SVMI, (1) SPIM, (1) SOCA
(1)	M&C	: (1) SBMN
(2)	Internal Capacitor	: (2) SVMI
<b>Other/Otros REDDIG</b>		
(1)	RX Waveguide Switch	: (1) SOCA
(1)	TX Waveguide Switch	: (1) SVMI
(1)	Internal fan (PC Linux)	: (1) SPIM
(1)	Mainboard (PC NMS)	: (1) NCC-MN
(2)	Ethernet Switch	: (1) TTZP, (1) SVMI
(1)	Baseband Switch (card)	: (1) SYGC

APPENDIX C / APENDICE C



**Agenda Item 4: Work plan for year 2014**

4.1 The Meeting deemed convenient that the following main activities scheduled for 2014, will be:

- a) REDDIG II implementation process;
- b) New MEVA/REDDIG interconnection;
- c) Implementation of new services; and
- d) 2014 training programme.

***REDDIG II implementation process***

4.2 The Meeting was informed that the execution of the activities for 2014 pertain to the implementation of Contract No. 22501200, Phase 2, corresponding to the implementation of the new South American Regional Network, REDDIG II. Phase II started on 21 December 2013, once the review of all documents corresponding to REDDIG II installation (Contract Phase I) were completed and approved upon. The updated chronogramme of activities is shown as **Appendix A** to this Agenda Item.

4.3 Note was taken that the first activity to be carried out under Phase 2 will be the purchasing of REDDIG II equipment. The equipment to be acquired is presented in **Appendix B** to this part of the Report. In this regard, it was informed that for the Consortium to be able to start purchasing the equipment as per the Contract, the Consortium is to receive 30% of the amount corresponding to Phase 2 of the Contract from the ICAO Technical Cooperation Bureau in Montreal.

4.4 In addition, the Meeting took note of the main Phase 2 activities pending to be carried out: in-factory course (Vélizy, France, from 21 April to 9 May 2014); factory acceptance tests (Vélizy, France, from 12 to 16 May 2014); equipment dispatch (mid-June 2014); REDDIG II theoretical-practical course (Rio de Janeiro, Brazil, August/September 2014); simultaneous installation of all REDDIG II nodes (September 2014); provisional acceptance tests (PSAT) (end of September 2014); final acceptance tests (October-November 2014); and REDDIG II operation (November 2014).

4.5 With regard to the in-factory course, information was provided that three specialists from the Manaus NCC, three from the Ezeiza alternate NCC and the REDDIG Administrator would be participating in it, taking into account that it is aimed for personnel in charge of the management and configuration of REDDIG II. The programme of the course is presented in **Appendix C** to this Agenda Item.

4.6 Note was taken that, as per the REDDIG II Contract, six people will participate in the factory acceptance tests (FAT), two from the project management (CNS Officer, ICAO SAM Regional Office and REDDIG Administrator) and four from the REDDIG member States. In this respect, the REDDIG project management sent a letter to all REDDIG (RLA/03/901 project) members, for their proposal of candidates. The management then selected four candidates on the basis of their participation in the drafting of the REDDIG technical specifications, the bidding process, the evaluation of the offers and the review of the REDDIG II design documentation. The candidates selected were those proposed by Argentina, Brazil, Paraguay and Peru. The ICAO Regional Office only received five candidate proposals from the REDDIG member States.

### *New MEVA/REDDIG interconnection*

4.7 The Meeting was informed of the process undertaken by the MEVA technical management group (TMG) for the implementation of a new digital network in the Central Caribbean (MEVA III). In this respect, the MEVA State members evaluated the offers in October 2013, selecting COMSOFT as the awardee. The solution offered by the Company is an MF-TDMA/IP C Band VSAT network (IS 14 satellite). The network's equipment is mainly based on a MODEM from the ND SATCOM, the SKYWAN IDU 7000 and SKYWAN IDU 2500, and the multiplexor equipment is the 9320 SKYWAN FAD (Frame Relay Access Device). In this regard, observation should be made that MEVA III continues using frame relay protocol, unlike REDDIG II, which presents a complete IP solution using CISCO router multiplexor equipment.

4.8 The Meeting observed that MEVA II uses, at equipment level, satellite modems from the same manufacturer as the one selected for REDDIG II, but at base band level, it uses multiplexor frame relay equipment, while REDDIG II will use CISCO router multiplexor equipment.

4.9 Note was taken that the new equipment for MEVA III / REDDIG II interconnection to be installed in Bogota and Caracas will be the satellite MODEM SKYWAN IDU 2500 and the multiplexor SWYWAN FAD 9320.

4.10 The Meeting was informed that MEVA II network would become operational by the last quarter of 2014; therefore, the Meeting deemed convenient that until MEVA III is not operational, the MEVA II / REDDIG services continue as per the current Contract No. 22500187 established between ICAO (in representation of all REDDIG member States) and American Government Services, Inc. (currently SES). In this sense, REDDIG Administration, through the ICAO Technical Cooperation Bureau, renovated the services in Contract No. 2200187 for a further six months period.

4.11 For MEVA III / REDDIG II interconnection, the Meeting noted the need that the drafting of a new contract between ICAO and COMSOFT will be necessary, for the implementation of the new equipment at the Bogota and Caracas nodes, as well as the leasing of the services through the new MEVA II / REDDIG II interconnection. In this respect, REDDIG Administration has already coordinations with the ICAO Technical Cooperation Bureau with the aim of starting the drafting of a new contract to become effective once REDDIG II and MEVA III become operational.

4.12 The Meeting analysed two proposals for the interconnection of MEVA III / REDDIG II, presented by COMSOFT. One, with the option of purchasing the equipment and the other, with a leasing option (refer to WP/4, Appendix C).

4.13 In this respect, the Meeting unanimously agreed that the leasing option was the most convenient solution for the REDDIG member States, since the recurrent costs in the equipment leasing option which included network access, circuit cost and equipment leasing were an amount practically the same as the one currently paying for MEVA II / REDDIG network access and circuit interconnection. **Appendices D and E** present, respectively, copy of part of the current contract for MEVA II / REDDIG interconnection (22500187) specifying the current and non-recurrent costs, as well as the changes to be made in it in the drafting of the MEVA III / REDDIG II interconnection contract between ICAO and COMSOFT. Appendix E also contains installation and training costs.

4.14 The Meeting considered that the new MEVA III / REDDIG II interconnection could only be undertaken by the MEVA III provider (COMSOFT), since it was the only one that provides and manages the MEVA III services.

4.15 The Meeting ratified that the new MEVA III / REDDIG II interconnection contract would keep the same conditions as in the current MEVA II / REDDIG interconnection contract. The non-recurrent costs (installation and training) will be distributed equally among all REDDIG member States, and the recurrent costs relative to network access will also be distributed equally among all REDDIG member States. Only the costs of the circuits will be borne by the involved States.

4.16 Taking the above indicated aspects under consideration, the Meeting formulated the following conclusion:

**Conclusion RCC/17-1                      New MEVA III / REDDIG II interconnection**

That, RLA/03/901 project member States, in view of the implementation of the new MEVA network (MEVAIII) and with the aim of keeping the interconnection services between the new MEVA III and REDDIG II networks operational, deemed it convenient to:

- a) Opt for the equipment leasing option presented by the MEVA III provider, instead of purchasing the equipment with the non-recurrent and recurrent costs indicated in Appendix E to this Agenda Item;
- b) Equally share among all States the MEVA III / REDDIG II interconnection non recurrent costs at the Bogota and Caracas nodes, specified in Appendix E to this Agenda Item; and
- c) Share among all States the network access recurrent costs specified in Appendix E to this Agenda Item.

***Implementation of new services***

4.17 The Meeting noted that for 2014, the ATS speech circuits between the ATS units located in the frontier areas of Brazil: Guajaramirim (Brazil) – Guayaramirín (Bolivia) and Foz do Iguazu (Brazil) – Guaraní (Paraguay) are scheduled to be installed, in order to have completed all the required speech circuits between Brazil and some adjacent ATS units, and thus have Conclusion REDDIG RCC/14-1 – *Implementation of new ATS speech circuits in REDDIG*, duly completed. Also, the Meeting deemed convenient that the ATS speech service between Posadas (Argentina) and Encarnacion (Paraguay) be implemented. In addition, it was informed of the implementation of the MEVA II / REDDIG AFTN circuit between Brazil (Manaos) and United States (Atlanta via Bogotá).

4.18 The Meeting also took under consideration the need to implement AMHS interconnection between various SAM States, as part of the respective regional plan. **Appendix F** shows the interconnections to be implemented.

4.19 In addition, the Meeting deemed convenient to implement the interconnection of automated systems between Argentina–Brazil, Argentina–Chile, Argentina–Uruguay, Brazil-Peru and Ecuador-Peru. **Appendix G** to this Agenda Item presents the interconnection plan.

***2014 training programme***

4.20 The Meeting was informed of the holding of in-factory theoretical-practical course (France) for six (6) people, on network design, configuration and operation, aimed for staff at the network control centres (NCCs), to be held from 21 April to 9 May 2014, and of four sessions of courses (three in Spanish and one in English, and of two-weeks duration per session) on the operation and maintenance of the REDDIG II nodes, to take place in Rio de Janeiro, Brazil, in August/September 2014, for a total of 36 people. The air tickets and daily subsistence costs during the events are covered by the REDDIG II Contract.

4.21 In addition, the Meeting agreed upon the holding of an introductory course for the staff to attend the REDDIG II courses in Rio de Janeiro, regarding IP routers and switches and new satellite modem technologies, to be offered in Bogota, Colombia, from 29 July to 1 August 2014, thanks to the offer made by the delegate of Colombia during the REDDIG II Technical-Operational Meeting carried out in Lima, Peru, from 9 to 13 September 2013. The Colombian aeronautical administration will support the event with the provision of instructors, and INEO & Level 3 Consortium and COMSOFT will also be requested support with the participation of additional instructors.

4.22 Also, the Meeting was informed that the third Technical/Operational Meeting for REDDIG II Implementation (RTO/3) would be held in Bogotá, Colombia, from 28 to 29 July 2014, before the REDDIG II introductory course.

APPENDIX A / APENDICE A  
TENTATIVE TIME SCHEDULE / PHASES / PROGRAMA TENTATIVO - FASES

ID	Nom de la tâche	Duration	Start	Finish	β	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	Qtr 4, 2015	Qtr 1, 2016	Qtr 2, 2016	Qtr 3, 2016	Qtr 4, 2016							
						Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	Tentative REDDIG II implementation work programme / Programa tentativo de trabajo implantación REDDIG II	421 days	Thu 09/05/13	Thu 18/12/14																							
2	Phase 1 - Project / Fase 1 - Proyecto	136.57 days	Thu 16/05/13	Fri 22/11/13																							
3	Documentation drafting and approval process / Proceso de elaboración y aprobación documentación	136.57 days	Thu 16/05/13	Fri 22/11/13																							
4	REDDIG II preliminary design installation / Preparación diseño preliminar instalación REDDIG II (SDD)	40 days	Thu 09/05/13	Wed 03/07/13																							
5	Preparation of installation and training procedures documentation and NMS documentaion preparation / Preparación documentos de procedimiento de instalación y capacitación y ptparacion documentacion del sistema NMS	15 days	Thu 04/07/13	Wed 24/07/13																							
6	FAT protocol preparation / Preparacion protocolo FAT	10 days	Thu 25/07/13	Wed 07/08/13																							
7	SAT protocol preparation / Preparacion protocolo SAT	10 days	Thu 08/08/13	Wed 21/08/13																							
8	Documentation submittance (SDD, FAT/SAT protocol, on-site installation procedure, training manuals) to ICAO / Envio documentación (SDD, protocolo FAT/SAT, procedimiento instalacion sitio, manuales de capacitación) a OACI	0 days	Wed 21/08/13	Wed 21/08/13																							
9	Documentation review / Revision de la documentacion	12 days	Thu 22/08/13	Fri 06/09/13																							
10	Technical-operational meeting / Reunión tecnico-operacional	5 days	Mon 09/09/13	Fri 13/09/13																							
11	Final design/Diseño finalizado	23 days	Mon 16/09/13	Wed 16/10/13																							
12	Documentation reviewed and approved / Documentos revisados y aprobados	0 days	Wed 16/10/13	Wed 16/10/13																							
13	Schedule DRM /Cronograma DRM	30 days	Thu 17/10/13	Wed 27/11/13																							
14	Phase 2 - REDDIG II implementation / Fase 2 - Implantación de la REDDIG II	215.29 days	Thu 17/10/13	Thu 14/08/14																							
15	Purchasing and integration of VSAT equipment / Adquisición e itegración equipos VSAT	35 days	Thu 26/12/13	Wed 12/02/14																							
16	Purchasing of equipment and remittance to company HQ for integration / Adquisición de equipos y envío a la sede de la empresa ganadora para su integración	7 wks	Thu 26/12/13	Wed 12/02/14																							
17	Preparation of ground backbone network / Preparación red medular terrestre	35 days	Mon 14/07/14	Fri 29/08/14																							
18	Hiring of service for all nodes / Contratación de servicio para todos los nodos	2 wks	Mon 14/07/14	Fri 25/07/14																							
19	Comisionamiento red terrestre/Ground back bone commissioning	1 wk	Mon 25/08/14	Fri 29/08/14																							
20	Integration at factory, training and FAT / Integracion en fábrica, entrenamiento y FAT	67 days	Thu 13/02/14	Fri 16/05/14																							
21	Equipment assembling at factory / Ensamblar equipos en fábrica	6 wks	Thu 13/02/14	Wed 26/03/14																							
22	Network configuration and pre-test / Configuracion y pre-test de la red	8 wks	Thu 06/03/14	Wed 30/04/14																							
23	Documentation submittance for on-factory-training / Envio documentación para entrenamiento en fábrica	0 wks	Mon 21/04/14	Mon 21/04/14																							
24	On-factory-training / Entrenamiento en fábrica	3 wks	Mon 21/04/14	Fri 09/05/14																							
25	FAT	5 days	Mon 12/05/14	Fri 16/05/14																							
26	FAT signature / Firma FAT	0 days	Fri 16/05/14	Fri 16/05/14																							
27	REDDIG II Technical Operational Meeting/Reunión Técnica Operacional REDDIG II	90 days	Wed 26/03/14	Tue 29/07/14																							
28	RTO Meeting/Reunión RTO	3 days	Wed 26/03/14	Fri 28/03/14																							
29	RTO Meeting/Reunión RTO	2 days	Mon 28/07/14	Tue 29/07/14																							
30	Preparatory REDDIG II Course/ Curso preparatorio REDDIG II	3 days	Wed 30/07/14	Fri 01/08/14																							
31	REDDIG II preliminary course in Bogotá/ Curso preparatorio preliminar de la REDDIG II en Colombia	3 days	Wed 30/07/14	Fri 01/08/14																							
32	Remittance of equipment to sites (customs clearance 1 month approx)/ Envío de los equipos a los sitios (liberación equipos aduana 1 mes tiempo estimado)	72 days	Mon 02/06/14	Tue 09/09/14																							
33	Preparation of equipment remittance / Preparación para envío de equipos	2.8 wks	Tue 03/06/14	Fri 20/06/14																							
34	Preparación para el envío equipos REDDIG II a Rio para entrenamiento/Preparation for the remittance of REDDIG II equipment in Rio for training	7 days	Mon 02/06/14	Tue 10/06/14																							
35	Ezeiza	11.4 wks	Mon 23/06/14	Tue 09/09/14																							
36	La Paz	11.4 wks	Mon 23/06/14	Tue 09/09/14																							
37	Rio de Janeiro	6.4 wks	Thu 12/06/14	Fri 25/07/14																							
38	Santiago	11.4 wks	Mon 23/06/14	Tue 09/09/14																							
39	Bogota	11.4 wks	Mon 23/06/14	Tue 09/09/14																							
40	Guayaquil	11.4 wks	Mon 23/06/14	Tue 09/09/14																							
41	Georgetown	11.4 wks	Mon 23/06/14	Tue 09/09/14																							
42	Cayenne	11.4 wks	Mon 23/06/14	Tue 09/09/14																							
43	Asuncion	11.4 wks	Mon 23/06/14	Tue 09/09/14																							
44	Lima	11.4 wks	Mon 23/06/14	Tue 09/09/14																							
45	Paramaribo	11.4 wks	Mon 23/06/14	Tue 09/09/14																							
46	Piarco	11.4 wks	Mon 23/06/14	Tue 09/09/14																							
47	Montevideo	11.4 wks	Mon 23/06/14	Tue 09/09/14																							



## Contract 22501200 - Detailed scope of supply

	Unit	Qty
<b><u>Argentina (Ezeiza)</u></b>		
<b>Equipment: Routing System</b>		
NETGEAR SW F/E Stackable Managed Sw	u	2
NETGEAR ProSafe VPN Dual WAN Gigabit	u	1
RSS-16 : RSS 16 Slot 4U Chassis, including:	u	2
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	2
IPC-16-R : Network Control Card - 16	u	2
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	9
AB-D25-R : D25 A/B Card	u	11
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	4
AB-D25-R : D25 A/B Card	u	6
FP-AB-RSS : Blank Panel for unused slots	u	2
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK, including:	u	6
DATA license	u	2
Communication Manager Express or SRST - 25 seat license	u	2
2-Port Async/Sync Serial HWIC	u	2
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	4
High Density 8-port Async Cable w/ 8 DB-25 Modem Connectors	u	2
8-Port Async/Sync Serial HWIC, EIA-232	u	2
Two-port Voice Interface Card - E and M	u	12
Two-Port Voice Interface Card - FXS and DID	u	2
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK, including:	u	2
DATA LICENCE	u	1
Communication Manager Express or SRST - 25 seat license	u	1
4-Port Async/Sync Serial HWIC	u	2
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	6
Two-port Voice Interface Card - E and M	u	3
Two-Port Voice Interface Card - FXS and DID	u	1
<b>Equipment: VSAT Terminal</b>		
Two (2) IDU 7000 Master 19" NS + PS AC including:	set	1
<i>Special Discount on the second IDU 7000 Master</i>	u	1
License OSPF	u	2
Lic 8 PSK	u	2
SkyNMSCD	u	1
Lic TCP-A	u	2
VSAT antenna refurbishment	set	1
<b>Equipment: Network Management System</b>		

	Unit	Qty
HP ProLiant DL160 Gen8 Base - Server, including:	u	2
Windows Server 2008 R2 Std + 5 CAL OEM HP	u	2
Card PCI-Express 1X 8 ports series RS232 Std and Low Profile	u	1
HP Hard Disk 300Go 3.5 SAS 15000 tours/min.	u	3
SAMSUNG screen LCD 27'' Samsung SyncMaster S27A550H	u	2
HP LaserJet Pro 400 M401dn /33ppm	u	1
Eaton Ellipse ECO 1200 FR USB	u	2
WhatsUp Gold Distributed Central 25 Devices	u	1
WhatsUp Gold Distributed Remote 25 Devices	u	1
Anitivirus	u	2
SQL USER CAL USR CAL	u	1
IP to serial converter	u	1
<b>Other VSAT equipments</b>		
IBUC 40W	u	2
Tx 1+1 switching system	u	1
Rx 1+1 switching system	u	1
LNB	u	2
Handheld Terminal	u	1
Set of breakers	u	1
Coaxial connector	u	5
Coaxial cable	m	120
power cable	m	200
Cat 5 Cable	m	120
<b>Equipment: Ancillaries / Others</b>		
Horloge RT CP 09	u	1
Rack	u	2
Installation accessories	set	1
IP telephone set to implement the teleconference in the REDDIG II network (including installation in the technical room and configuration)	u	5
<b>Equipment: Ground backbone terminal equipment</b>		
Included in MPLS Services offer	set	0
<b>Services: Installation</b>		
Installation of equipment on site	set	1
<b>Services: Civil Works</b>		
N/A	set	0
<b>TOTAL Argentina (Ezeiza)</b>		<b>set 1</b>
<b><u>Bolivia(La Paz)</u></b>		
<b>Equipment: Routing System</b>		
NETGEAR SW F/E Stackable Managed Sw	u	2
NETGEAR ProSafe VPN Dual WAN Gigabit	u	1

	Unit	Qty
RSS-16 : RSS 16 Slot 4U Chassis, including:	u	1
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	1
IPC-16-R : Network Control Card - 16	u	1
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	6
AB-D25-R : D25 A/B Card	u	4
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	2
AB-D25-R : D25 A/B Card	u	2
FP-AB-RSS : Blank Panel for unused slots	u	2
Cisco 2911 UC Bundle, PVDM3-16, UC License PAK	u	2
DATA license	u	2
4-Port Async/Sync Serial HWIC	u	2
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	8
Two-port Voice Interface Card - E and M	u	4
EVM-HD-8FXS/DID	u	2
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	1
DATA LICENCE	u	1
2-Port Async/Sync Serial WAN Interface Card	u	1
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	2
Two-port Voice Interface Card - E and M	u	1
Two-Port Voice Interface Card - FXS and DID	u	1
<b>Equipment: VSAT Terminal</b>		
IDU 1070 19" NS + PS AC	u	2
Lic-Key 1070 Full Power Package	u	2
License OSPF	u	2
Lic 8 PSK	u	2
Lic-Key Mesh Topology	u	2
Lic TCP-A	u	2
VSAT antenna refurbishment	set	1
<b>Equipment: Network Management System</b>		
HP ProLiant DL160 Gen8 Base - Server, including:	1	1
Windows Server 2008 R2 Std + 5 CAL OEM HP	1	1
Card PCI-Express 1X 8 ports series RS232 Std and Low Profile	1	1
HP Hard Disk 300Go 3.5 SAS 15000 tours/min.	2	2
SAMSUNG screen LCD 27" Samsung SyncMaster S27A550H	1	1
HP LaserJet Pro 400 M401dn /33ppm	1	1
Eaton Ellipse ECO 1200 FR USB	1	1
WhatsUp Gold Distributed Remote 25 Devices	1	1
Anitivirus	1	1
<b>Other VSAT equipments</b>		
IBUC 40W	u	2
Tx 1+1 switching system	u	1

	Unit	Qty
Rx 1+1 switching system	u	1
LNB	u	2
Handheld Terminal	u	1
De-icing system	u	1
Set of breakers	u	1
Coaxial connector	u	5
Coaxial cable	m	140
power cable	m	240
Cat 5 Cable	m	140
<b>Equipment: Ancillaries / Others</b>		
Horloge RT CP 09	1	1
Rack	1	1
IP telephone set to implement the teleconference in the REDDIG II network (including installation in the technical romm and configuration)	u	1
Installation accessories	1	1
<b>Equipment: Ground backbone terminal equipment</b>		
Included in MPLS Services offer		
<b>Services: Installation</b>		
Installation of equipment on site	1	1
<b>Services: Civil Works</b>		
N/A	set	0
<b>TOTAL Bolivia(La Paz)</b>		<b>set 1</b>
<b><u>Brazil(Manaus)</u></b>		
<b>Equipment: Routing System</b>		
NETGEAR SW F/E Stackable Managed Sw	u	2
NETGEAR ProSafe VPN Dual WAN Gigabit	u	1
RSS-16 : RSS 16 Slot 4U Chassis, including	u	1
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	1
IPC-16-R : Network Control Card - 16	u	1
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	9
AB-D25-R : D25 A/B Card	u	6
Left	u	1
RSS-16 : RSS 16 Slot 4U Chassis, including	u	1
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	1
IPC-16-R : Network Control Card - 16	u	1
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	4
AB-D25-R : D25 A/B Card	u	3
FP-AB-RSS : Blank Panel for unused slots	u	10

	Unit	Qty
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	4
DATA license	u	2
Communication Manager Express or SRST - 25 seat license	u	2
2-Port Async/Sync Serial WAN Interface Card	u	2
4-Port Async/Sync Serial HWIC	u	2
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	12
Two-port Voice Interface Card - E and M	u	8
Two-Port Voice Interface Card - FXS and DID	u	2
Four-Port Voice Interface Card - FXS and DID	u	2
Cisco 2911 UC Bundle, PVDM3-16, UC License PAK	u	1
DATA LICENCE	u	1
Communication Manager Express or SRST - 25 seat license	u	1
4-Port Async/Sync Serial HWIC	u	1
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	3
Two-port Voice Interface Card - E and M	u	2
EVM-HD-8FXS/DID	u	1
<b>Equipment: VSAT Terminal</b>		
Two (2) IDU 7000 Master 19" NS + PS AC including:	set	1
License OSPF	u	2
Lic 8 PSK	u	2
SkyNMSCD	u	1
Lic TCP-A	u	2
VSAT antenna refurbishment	set	1
<b>Equipment: Network Management System</b>		
HP ProLiant DL160 Gen8 Base - Server, including:	u	4
Windows Server 2008 R2 Std + 5 CAL OEM HP	u	4
Card PCI-Express 1X 8 ports series RS232 Std and Low Profile	u	1
HP Hard Disk 300Go 3.5 SAS 15000 tours/min.	u	8
SAMSUNG screen LCD 27" Samsung SyncMaster S27A550H	u	4
HP LaserJet Pro 400 M401dn /33ppm	u	1
Eaton Ellipse ECO 1200 FR USB	u	4
SQL SVR ENT OLV NL	u	2
SQL USER CAL USR CAL	u	3
WhatsUp Gold Distributed Central 25 Devices Failover Management	u	1
WhatsUp Gold Distributed Remote 25 Devices	u	1
Anitivirus	u	3
IOMEGA NAS Externe 2T SATA DD 2To X 1Iomega Home		
Media Network Hard Drive Cloud Edition - NAS - 2 To - Serial	u	1
ATA-300 - DD 2 To x 1 - Gigabit Ethernet		
IP to serial converter	u	1
<b>Other VSAT equipments</b>		
IBUC 80W	u	2

	Unit	Qty
Tx 1+1 switching system	u	1
Rx 1+1 switching system	u	1
LNB	u	2
Handheld Terminal	u	1
Set of breakers	u	1
Coaxial connector	u	5
Coaxial cable	m	200
power cable	m	340
Cat 5 Cable	m	200
<b>Equipment: Ancillaries / Others</b>		
Horloge RT CP 09	u	1
Rack	u	2
IP telephone set to implement the teleconference in the REDDIG II network (including installation in the technical romm and configuration)	u	1
Installation accessories	u	1
<b>Equipment: Ground backbone terminal equipment</b>		
Included in MPLS Services offer	set	0
<b>Services: Installation</b>		
Installation of equipment on site	set	1
<b>Services: Civil Works</b>		
N/A	set	0
<b>TOTAL Brazil(Manaus)</b>		<b>set 1</b>
<b><u>Brazil(Recife)</u></b>		
<b>Equipment: Routing System</b>		
NETGEAR SW F/E Stackable Managed Sw	u	2
NETGEAR ProSafe VPN Dual WAN Gigabit	u	1
RSS-16 : RSS 16 Slot 4U Chassis, including	u	1
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	1
IPC-16-R : Network Control Card - 16	u	1
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	7
AB-D25-R : D25 A/B Card	u	1
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	3
AB-D25-R : D25 A/B Card	u	1
FP-AB-RSS : Blank Panel for unused slots	u	4
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	4
DATA license	u	2
2-Port Async/Sync Serial WAN Interface Card	u	2
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	2

	Unit	Qty
Two-port Voice Interface Card - E and M	u	8
Two-Port Voice Interface Card - FXS and DID	u	2
Cisco 2911 UC Bundle, PVDM3-16, UC License PAK	u	1
DATA LICENCE	u	1
2-Port Async/Sync Serial WAN Interface Card	u	1
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	1
Two-port Voice Interface Card - E and M	u	2
EVM-HD-8FXS/DID	u	1
<b>Equipment: VSAT Terminal</b>		
IDU 1070 19" NS + PS AC	u	2
Lic-Key 1070 Full Power Package	u	2
License OSPF	u	2
Lic 8 PSK	u	2
Lic-Key Mesh Topology	u	2
Lic TCP-A	u	2
VSAT antenna refurbishment	set	1
<b>Equipment: Network Management System</b>		
HP ProLiant DL160 Gen8 Base - Server, including:	u	1
Windows Server 2008 R2 Std + 5 CAL OEM HP	u	1
Card PCI-Express 1X 8 ports series RS232 Std and Low Profile	u	1
HP Hard Disk 300Go 3.5 SAS 15000 tours/min.	u	2
SAMSUNG screen LCD 27" Samsung SyncMaster S27A550H	u	1
HP LaserJet Pro 400 M401dn /33ppm	u	1
Eaton Ellipse ECO 1200 FR USB	u	1
WhatsUp Gold Distributed Remote 25 Devices	u	1
Anitivirus	u	1
IP to serial converter	u	1
<b>Other VSAT equipments</b>		
IBUC 80W	u	2
Tx 1+1 switching system	u	1
Rx 1+1 switching system	u	1
LNB	u	2
Handheld Terminal	u	1
Set of breakers	u	1
Coaxial connector	u	5
Coaxial cable	m	160
power cable	m	240
Cat 5 Cable	m	160
<b>Equipment: Ancillaries / Others</b>		
Horloge RT CP 09	u	1
Rack	u	1

	Unit	Qty
IP telephone set to implement the teleconference in the REDDIG II network (including installation in the technical romm and configuration)	u	1
Installation accessories	u	1
<b>Equipment: Ground backbone terminal equipment</b>		
Included in MPLS Services offer	set	0
<b>Services: Installation</b>		
Installation of equipment on site	set	1
<b>Services: Civil Works</b>		
N/A	set	0
<b>TOTAL Brazil(Recife)</b>		<b>set 1</b>
<b><u>Brazil(Curitiba)</u></b>		
<b>Equipment: Routing System</b>		
NETGEAR SW F/E Stackable Managed Sw	u	2
NETGEAR ProSafe VPN Dual WAN Gigabit	u	1
RSS-16 : RSS 16 Slot 4U Chassis	u	1
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	1
IPC-16-R : Network Control Card - 16	u	1
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	7
AB-D25-R : D25 A/B Card	u	4
RSS-16 : RSS 16 Slot 4U Chassis	u	1
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	1
IPC-16-R : Network Control Card - 16	u	1
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	4
AB-D25-R : D25 A/B Card	u	2
FP-AB-RSS : Blank Panel for unused slots	u	15
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	4
DATA license	u	2
4-Port Async/Sync Serial HWIC	u	2
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	8
Two-port Voice Interface Card - E and M	u	6
Two-Port Voice Interface Card - FXS and DID	u	2
Four-port Voice Interface Card - FXO	u	2
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	2
DATA LICENCE	u	1
2-Port Async/Sync Serial WAN Interface Card	u	1
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	2
Two-port Voice Interface Card - E and M	u	2
Two-Port Voice Interface Card - FXS and DID	u	1

	Unit	Qty
Two-port Voice Interface Card - FXO	u	1
<b>Equipment: VSAT Terminal</b>		
IDU 1070 19" NS + PS AC	u	2
Lic-Key 1070 Full Power Package	u	2
License OSPF	u	2
Lic 8 PSK	u	2
Lic-Key Mesh Topology	u	2
Lic TCP-A	u	2
VSAT antenna refurbishment	set	1
Feed horn pour refurbishment VSAT	set	1
<b>Equipment: Network Management System</b>		
HP ProLiant DL160 Gen8 Base - Server, including:	u	1
Windows Server 2008 R2 Std + 5 CAL OEM HP	u	1
Card PCI-Express 1X 8 ports series RS232 Std and Low Profile	u	1
HP Hard Disk 300Go 3.5 SAS 15000 tours/min.	u	2
SAMSUNG screen LCD 27" Samsung SyncMaster S27A550H	u	1
HP LaserJet Pro 400 M401dn /33ppm	u	1
Eaton Ellipse ECO 1200 FR USB	u	1
WhatsUp Gold Distributed Remote 25 Devices	u	1
Anitivirus	u	1
IP to serial converter	u	1
<b>Other VSAT equipments</b>		
IBUC 40W	u	2
Tx 1+1 switching system	u	1
Rx 1+1 switching system	u	1
LNB	u	2
Handheld Terminal	u	1
Set of breakers	u	1
Coaxial connector	u	5
Coaxial cable	m	270
power cable	m	400
Cat 5 Cable	m	270
<b>Equipment: Ancillaries / Others</b>		
Horloge RT CP 09	u	1
Rack	u	1
IP telephone set to implement the teleconference in the REDDIG II network (including installation in the technical romm and configuration)	u	1
Installation accessories	u	1
<b>Equipment: Ground backbone terminal equipment</b>		
Included in MPLS Services offer	set	0

	Unit	Qty
<b>Services: Installation</b>		
Installation of equipment on site	set	1
<b>Services: Civil Works</b>		
N/A	set	0
<b>TOTAL Brazil(Curitiba)</b>	<b>set</b>	<b>1</b>
<b><u>Chile(Santiago)</u></b>		
<b>Equipment: Routing System</b>		
NETGEAR SW F/E Stackable Managed Sw	u	2
NETGEAR ProSafe VPN Dual WAN Gigabit	u	1
RSS-16 : RSS 16 Slot 4U Chassis	u	1
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	1
IPC-16-R : Network Control Card - 16	u	1
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	6
AB-D25-R : D25 A/B Card	u	3
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	2
AB-D25-R : D25 A/B Card	u	1
FP-AB-RSS : Blank Panel for unused slots	u	4
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	4
DATA license	u	2
2-Port Async/Sync Serial WAN Interface Card	u	2
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	4
Two-port Voice Interface Card - E and M	u	8
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	1
DATA LICENCE	u	1
2-Port Async/Sync Serial WAN Interface Card	u	1
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	1
Two-port Voice Interface Card - E and M	u	2
<b>Equipment: VSAT Terminal</b>		
IDU 1070 19" NS + PS AC	u	2
Lic-Key 1070 Full Power Package	u	2
License OSPF	u	2
Lic 8 PSK	u	2
Lic-Key Mesh Topology	u	2
Lic TCP-A	u	2
VSAT antenna refurbishment	set	1
<b>Equipment: Network Management System</b>		
HP ProLiant DL160 Gen8 Base - Server, including:	u	1

	Unit	Qty
Windows Server 2008 R2 Std + 5 CAL OEM HP	u	1
Card PCI-Express 1X 8 ports series RS232 Std and Low Profile	u	1
HP Hard Disk 300Go 3.5 SAS 15000 tours/min.	u	2
SAMSUNG screen LCD 27" Samsung SyncMaster S27A550H	u	1
HP LaserJet Pro 400 M401dn /33ppm	u	1
Eaton Ellipse ECO 1200 FR USB	u	1
WhatsUp Gold Distributed Remote 25 Devices	u	1
Anitivirus	u	1
IP to serial converter	u	1
<b>Other VSAT equipments</b>		
IBUC 40W	u	2
Tx 1+1 switching system	u	1
Rx 1+1 switching system	u	1
LNB	u	2
Handheld Terminal	u	1
Set of breakers	u	1
Coaxial connector	u	5
Coaxial cable	m	200
power cable	m	350
Cat 5 Cable	m	200
<b>Equipment: Ancillaries / Others</b>		
Horloge RT CP 09	u	1
Rack	u	1
IP telephone set to implement the teleconference in the REDDIG II network (including installation in the technical romm and configuration)	u	1
Installation accessories	u	1
<b>Equipment: Ground backbone terminal equipment</b>		
Included in MPLS Services offer	set	0
<b>Services: Installation</b>		
Installation of equipment on site	set	1
<b>Services: Civil Works</b>		
N/A	set	0
<b>TOTAL Chile(Santiago)</b>		<b>set 1</b>
<b>Colombia(Bogotá)</b>		
<i>Includes equipment for Tegucigalpa (Honduras)</i>		
<b>Equipment: Routing System</b>		
NETGEAR SW F/E Stackable Managed Sw	u	2
NETGEAR ProSafe VPN Dual WAN Gigabit	u	1
RSS-16 : RSS 16 Slot 4U Chassis	u	1
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	1

	Unit	Qty
IPC-16-R : Network Control Card - 16	u	1
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	3
AB-D25-R : D25 A/B Card	u	7
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	1
AB-D25-R : D25 A/B Card	u	4
FP-AB-RSS : Blank Panel for unused slots	u	1
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK <i>(1 unit for Tegucigalpa, Honduras)</i>	u	3
DATA license	u	2
2-Port Async/Sync Serial HWIC	u	2
4-Port Async/Sync Serial HWIC	u	2
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	10
Four-Ports Voice Interface Card - FXS and DID <i>(1 unit for Tegucigalpa, Honduras)</i>	u	1
2 Port 2nd Gen Multiflex Trunk Voice/WAN Int. Card - T1/E1	u	2
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	1
DATA LICENCE	u	1
4-Port Async/Sync Serial HWIC	u	1
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	4
1-Port 2nd Gen Multiflex Trunk Voice/WAN Int. Card - T1/E1	u	1
<b>Equipment: VSAT Terminal</b>		
IDU 1070 19" NS + PS AC <i>(1 unit for Tegucigalpa, Honduras)</i>	u	3
Lic-Key 1070 Full Power Package <i>(1 unit for Tegucigalpa, Honduras)</i>	u	3
License OSPF <i>(1 unit for Tegucigalpa, Honduras)</i>	u	3
Lic 8 PSK <i>(1 unit for Tegucigalpa, Honduras)</i>	u	3
Lic-Key Mesh Topology <i>(1 unit for Tegucigalpa, Honduras)</i>	u	3
Lic TCP-A <i>(1 unit for Tegucigalpa, Honduras)</i>	u	3
VSAT antenna refurbishment	set	1
<b>Equipment: Network Management System</b>		
HP ProLiant DL160 Gen8 Base - Server, including:	u	1
Windows Server 2008 R2 Std + 5 CAL OEM HP	u	1
Card PCI-Express 1X 8 ports series RS232 Std and Low Profile	u	1
HP Hard Disk 300Go 3.5 SAS 15000 tours/min.	u	2
SAMSUNG screen LCD 27" Samsung SyncMaster S27A550H	u	1
HP LaserJet Pro 400 M401dn /33ppm	u	1
Eaton Ellipse ECO 1200 FR USB	u	1
WhatsUp Gold Distributed Remote 25 Devices	u	1
Anitivirus	u	1
<b>Other VSAT equipments</b>		
IBUC 80W	u	2
	<i>Special Discount for Bogota IBUC</i>	2
Tx 1+1 switching system	u	1

	Unit	Qty
Rx 1+1 switching system	u	1
LNB	u	2
Handheld Terminal	u	1
Set of breakers	u	1
Coaxial connector	u	5
Coaxial cable	m	80
power cable	m	140
Cat 5 Cable	m	80
<b>Equipment: Ancillaries / Others</b>		
Horloge RT CP 09	u	1
Rack	u	1
IP telephone set to implement the teleconference in the REDDIG II network (including installation in the technical romm and configuration)	u	1
Installation accessories	u	1
<b>Equipment: Ground backbone terminal equipment</b>		
Included in MPLS Services offer	set	0
<b>Services: Installation</b>		
Installation of equipment on site	set	1
<b>Services: Civil Works</b>		
N/A	set	0
<b>TOTAL Colombia(Bogotá)</b>		<b>set 1</b>
<b><u>Ecuador(Guayaquil)</u></b>		
<b>Equipment: Routing System</b>		
NETGEAR SW F/E Stackable Managed Sw	u	2
NETGEAR ProSafe VPN Dual WAN Gigabit	u	1
RSS-16 : RSS 16 Slot 4U Chassis	u	1
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	1
IPC-16-R : Network Control Card - 16	u	1
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	3
AB-D25-R : D25 A/B Card	u	3
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	1
AB-D25-R : D25 A/B Card	u	2
FP-AB-RSS : Blank Panel for unused slots	u	7
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	2
DATA license	u	2
2-Port Async/Sync Serial HWIC	u	2
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	4
1 Port 2nd Gen Multiflex Trunk Voice/WAN Int. Card - T1/E1	u	2

	Unit	Qty
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	1
DATA LICENCE	u	1
2-Port Async/Sync Serial WAN Interface Card	u	1
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	2
1-Port 2nd Gen Multiflex Trunk Voice/WAN Int. Card - T1/E1	u	1
<b>Equipment: VSAT Terminal</b>		
IDU 1070 19" NS + PS AC	u	2
Lic-Key 1070 Full Power Package	u	2
License OSPF	u	2
Lic 8 PSK	u	2
Lic-Key Mesh Topology	u	2
Lic TCP-A	u	2
VSAT antenna refurbishment	set	1
<b>Equipment: Network Management System</b>		
HP ProLiant DL160 Gen8 Base - Server, including:	u	1
Windows Server 2008 R2 Std + 5 CAL OEM HP	u	1
Card PCI-Express 1X 8 ports series RS232 Std and Low Profile	u	1
HP Hard Disk 300Go 3.5 SAS 15000 tours/min.	u	2
SAMSUNG screen LCD 27" Samsung SyncMaster S27A550H	u	1
HP LaserJet Pro 400 M401dn /33ppm	u	1
Eaton Ellipse ECO 1200 FR USB	u	1
WhatsUp Gold Distributed Remote 25 Devices	u	1
Anitivirus	u	1
<b>Other VSAT equipments</b>		
IBUC 40W	u	2
Tx 1+1 switching system	u	1
Rx 1+1 switching system	u	1
LNB	u	2
Handheld Terminal	u	1
Set of breakers	u	1
Coaxial connector	u	5
Coaxial cable	m	70
power cable	m	140
Cat 5 Cable	m	70
<b>Equipment: Ancillaries / Others</b>		
Horloge RT CP 09	u	1
Rack	u	1
IP telephone set to implement the teleconference in the REDDIG II network (including installation in the technical romm and configuration)	u	1
Installation accessories	u	1
<b>Equipment: Ground backbone terminal equipment</b>		
Included in MPLS Services offer	set	0

	Unit	Qty
<b>Services: Installation</b>		
Installation of equipment on site	set	1
<b>Services: Civil Works</b>		
N/A	set	0
<b>TOTAL Ecuador(Guayaquil)</b>		<b>1</b>
<b><u>Guyana(Georgetown)</u></b>		
<b>Equipment: Routing System</b>		
<b>VSAT Part</b>		
NETGEAR SW F/E Stackable Managed Sw	u	2
NETGEAR ProSafe VPN Dual WAN Gigabit	u	1
RSS-16 : RSS 16 Slot 4U Chassis	u	1
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	1
IPC-16-R : Network Control Card - 16	u	1
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	5
AB-D25-R : D25 A/B Card	u	4
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	2
AB-D25-R : D25 A/B Card	u	2
FP-AB-RSS : Blank Panel for unused slots	u	3
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	2
DATA license	u	2
4-Port Async/Sync Serial HWIC	u	2
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	6
Two-Port Voice Interface Card - FXS and DID	u	2
Four-Port Voice Interface Card - FXS and DID	u	2
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	1
DATA LICENCE	u	1
2-Port Async/Sync Serial WAN Interface Card	u	1
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	2
Four-Port Voice Interface Card - FXS and DID	u	1
<b>Equipment: VSAT Terminal</b>		
IDU 1070 19" NS + PS AC	u	2
Lic-Key 1070 Full Power Package	u	2
License OSPF	u	2
Lic 8 PSK	u	2
Lic-Key Mesh Topology	u	2
Lic TCP-A	u	2
VSAT antenna refurbishment	set	1

	Unit	Qty
Feed horn pour refurbishment VSAT	set	1
<b>Equipment: Network Management System</b>		
HP ProLiant DL160 Gen8 Base - Server, including:	u	1
Windows Server 2008 R2 Std + 5 CAL OEM HP	u	1
Card PCI-Express 1X 8 ports series RS232 Std and Low Profile	u	1
HP Hard Disk 300Go 3.5 SAS 15000 tours/min.	u	2
SAMSUNG screen LCD 27'' Samsung SyncMaster S27A550H	u	1
HP LaserJet Pro 400 M401dn /33ppm	u	1
Eaton Ellipse ECO 1200 FR USB	u	1
WhatsUp Gold Distributed Remote 25 Devices	u	1
Anitivirus	u	1
<b>Other VSAT equipments</b>		
IBUC 40W	u	2
<i>Special Discount for Georgetown IBUC</i>	u	2
Tx 1+1 switching system	u	1
Rx 1+1 switching system	u	1
LNB	u	2
Handheld Terminal	u	1
Set of breakers	u	1
Coaxial connector	u	5
Coaxial cable	m	80
power cable	m	140
Cat 5 Cable	m	80
<b>Equipment: Ancillaries / Others</b>		
Horloge RT CP 09	u	1
Rack	u	1
IP telephone set to implement the teleconference in the REDDIG II network (including installation in the technical romm and configuration)	u	1
Installation accessories	u	1
<b>Equipment: Ground backbone terminal equipment</b>		
Included in MPLS Services offer	set	0
<b>Services: Installation</b>		
Installation of equipment on site	set	1
<b>Services: Civil Works</b>		
N/A	set	0
<b>TOTAL Guyana(Georgetown)</b>		<b>set 1</b>
<b><u>French Guiana(Cayenne)</u></b>		
<b>Equipment: Routing System</b>		

	Unit	Qty
NETGEAR SW F/E Stackable Managed Sw	u	2
NETGEAR ProSafe VPN Dual WAN Gigabit	u	1
RSS-16 : RSS 16 Slot 4U Chassis	u	1
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	1
IPC-16-R : Network Control Card - 16	u	1
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	5
AB-D25-R : D25 A/B Card	u	2
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	2
AB-D25-R : D25 A/B Card	u	1
FP-AB-RSS : Blank Panel for unused slots	u	6
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	2
DATA license	u	2
2-Port Async/Sync Serial WAN Interface Card	u	2
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	4
Two-Port Voice Interface Card - FXS and DID	u	2
Four-Port Voice Interface Card - FXS and DID	u	2
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	1
DATA LICENCE	u	1
2-Port Async/Sync Serial WAN Interface Card	u	1
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	1
Four-Port Voice Interface Card - FXS and DID	u	1
<b>Equipment: VSAT Terminal</b>		
IDU 1070 19" NS + PS AC	u	2
Lic-Key 1070 Full Power Package	u	2
License OSPF	u	2
Lic 8 PSK	u	2
Lic-Key Mesh Topology	u	2
Lic TCP-A	u	2
VSAT antenna refurbishment	set	1
<b>Equipment: Network Management System</b>		
HP ProLiant DL160 Gen8 Base - Server, including:	u	1
Windows Server 2008 R2 Std + 5 CAL OEM HP	u	1
Card PCI-Express 1X 8 ports series RS232 Std and Low Profile	u	1
HP Hard Disk 300Go 3.5 SAS 15000 tours/min.	u	2
SAMSUNG screen LCD 27" Samsung SyncMaster S27A550H	u	1
HP LaserJet Pro 400 M401dn /33ppm	u	1
Eaton Ellipse ECO 1200 FR USB	u	1
WhatsUp Gold Distributed Remote 25 Devices	u	1
Anitivirus	u	1
<b>Other VSAT equipments</b>		
IBUC 80W	u	2

	Unit	Qty
Tx 1+1 switching system	u	1
Rx 1+1 switching system	u	1
LNB	u	2
Handheld Terminal	u	1
Set of breakers	u	1
Coaxial connector	u	5
Coaxial cable		80
power cable	m	140
Cat 5 Cable	u	80
<b>Equipment: Ancillaries / Others</b>		
Horloge RT CP 09	u	1
Rack	u	1
IP telephone set to implement the teleconference in the REDDIG II network (including installation in the technical romm and configuration)	u	1
Installation accessories	u	1
<b>Equipment: Ground backbone terminal equipment</b>		
Included in MPLS Services offer	set	0
<b>Services: Installation</b>		
Installation of equipment on site	set	1
<b>Services: Civil Works</b>		
N/A	set	0
<b>TOTAL French Guiana(Cayenne)</b>		<b>set 1</b>
<b><u>Paraguay(Asunción)</u></b>		
<b>Equipment: Routing System</b>		
<b>VSAT Part</b>		
NETGEAR SW F/E Stackable Managed Sw	u	2
NETGEAR ProSafe VPN Dual WAN Gigabit	u	1
RSS-16 : RSS 16 Slot 4U Chassis	u	1
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	1
IPC-16-R : Network Control Card - 16	u	1
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	6
AB-D25-R : D25 A/B Card	u	3
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	2
AB-D25-R : D25 A/B Card	u	2
FP-AB-RSS : Blank Panel for unused slots	u	3
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	2
DATA license	u	2
2-Port Async/Sync Serial HWIC	u	2

	Unit	Qty
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	4
Four-Port Voice Interface Card - FXS and DID	u	2
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	1
DATA LICENCE	u	1
2-Port Async/Sync Serial WAN Interface Card	u	1
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	2
Two-Port Voice Interface Card - FXS and DID	u	1
<b>Equipment: VSAT Terminal</b>		
IDU 1070 19" NS + PS AC	u	2
Lic-Key 1070 Full Power Package	u	2
License OSPF	u	2
Lic 8 PSK	u	2
Lic-Key Mesh Topology	u	2
Lic TCP-A	u	2
New VSAT antenna, as per detailed in the detailed scope of supply for the new antenna of Paraguay	set	1
<b>Equipment: Network Management System</b>		
HP ProLiant DL160 Gen8 Base - Server, including:	u	1
Windows Server 2008 R2 Std + 5 CAL OEM HP	u	1
Card PCI-Express 1X 8 ports series RS232 Std and Low Profile	u	1
HP Hard Disk 300Go 3.5 SAS 15000 tours/min.	u	2
SAMSUNG screen LCD 27" Samsung SyncMaster S27A550H	u	1
HP LaserJet Pro 400 M401dn /33ppm	u	1
Eaton Ellipse ECO 1200 FR USB	u	1
WhatsUp Gold Distributed Remote 25 Devices	u	1
Anitivirus	u	1
<b>Other VSAT equipments</b>		
IBUC 40W	u	2
Tx 1+1 switching system	u	1
Rx 1+1 switching system	u	1
LNB	u	2
Handheld Terminal	u	1
Set of breakers	u	1
Coaxial connector	u	5
Coaxial cable	m	120
power cable	m	140
Cat 5 Cable	m	120
<b>Equipment: Ancillaries / Others</b>		
Horloge RT CP 09	u	1
Rack	u	1

	Unit	Qty
IP telephone set to implement the teleconference in the REDDIG II network (including installation in the technical romm and configuration)	u	1
Installation accessories	u	1
<b>Equipment: Ground backbone terminal equipment</b>		
Included in MPLS Services offer	set	0
<b>Services: Installation</b>		
Installation of equipment on site	set	1
<b>Services: Civil Works</b>		
N/A	set	0
<b>TOTAL Paraguay(Asunción)</b>		<b>1</b>
<b><u>Peru(Lima)</u></b>		
<b>Equipment: Routing System</b>		
<b>VSAT Part</b>		
NETGEAR SW F/E Stackable Managed Sw	u	2
NETGEAR ProSafe VPN Dual WAN Gigabit	u	1
RSS-16 : RSS 16 Slot 4U Chassis	u	1
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	1
IPC-16-R : Network Control Card - 16	u	1
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	3
AB-D25-R : D25 A/B Card	u	9
RSS-16 : RSS 16 Slot 4U Chassis	u	1
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	1
IPC-16-R : Network Control Card - 16	u	1
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	1
AB-D25-R : D25 A/B Card	u	5
FP-AB-RSS : Blank Panel for unused slots	u	14
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	2
DATA license	u	2
High Density 8-port Async Cable w/ 8 DB-25 Modem Connectors	u	2
8-Port A/S -232 HWIC	u	2
1 Port 2nd Gen Multiflex Trunk Voice/WAN Int. Card - T1/E1	u	2
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	1
DATA LICENCE	u	1
2-Port Async/Sync Serial WAN Interface Card	u	1
4-Port Async/Sync Serial HWIC	u	1
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	5
1-Port 2nd Gen Multiflex Trunk Voice/WAN Int. Card - T1/E1	u	1

	Unit	Qty
<b>Equipment: VSAT Terminal</b>		
IDU 1070 19" NS + PS AC	u	2
Lic-Key 1070 Full Power Package	u	2
License OSPF	u	2
Lic 8 PSK	u	2
Lic-Key Mesh Topology	u	2
Lic TCP-A	u	2
VSAT antenna refurbishment	set	1
<b>Equipment: Network Management System</b>		
HP ProLiant DL160 Gen8 Base - Server, including:	u	1
Windows Server 2008 R2 Std + 5 CAL OEM HP	u	1
Card PCI-Express 1X 8 ports series RS232 Std and Low Profile	u	1
HP Hard Disk 300Go 3.5 SAS 15000 tours/min.	u	2
SAMSUNG screen LCD 27" Samsung SyncMaster S27A550H	u	1
HP LaserJet Pro 400 M401dn /33ppm	u	1
Eaton Ellipse ECO 1200 FR USB	u	1
WhatsUp Gold Distributed Remote 25 Devices	u	1
Anitivirus	u	1
IP to serial converter	u	1
<b>Other VSAT equipments</b>		
IBUC 40W	u	2
Tx 1+1 switching system	u	1
Rx 1+1 switching system	u	1
LNB	u	2
Handheld Terminal	u	1
RF filter	u	1
Set of breakers	u	1
Coaxial connector	u	5
Coaxial cable	m	160
power cable	m	280
Cat 5 Cable	m	160
<b>Equipment: Ancillaries / Others</b>		
Horloge RT CP 09	u	1
Rack	u	1
IP telephone set to implement the teleconference in the REDDIG II network (including installation in the technical romm and configuration)	u	1
Installation accessories	u	1
<b>Equipment: Ground backbone terminal equipment</b>		
Included in MPLS Services offer	set	0
<b>Services: Installation</b>		
Installation of equipment on site	set	1

	Unit	Qty
<b>Services: Civil Works</b>		
N/A	set	0
<b>TOTAL Peru(Lima)</b>		<b>1</b>
<b><u>Suriname(Paramaribo)</u></b>		
<b>Equipment: Routing System</b>		
<b>VSAT Part</b>		
NETGEAR SW F/E Stackable Managed Sw	u	2
NETGEAR ProSafe VPN Dual WAN Gigabit	u	1
RSS-16 : RSS 16 Slot 4U Chassis	u	1
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	1
IPC-16-R : Network Control Card - 16	u	1
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	4
AB-D25-R : D25 A/B Card	u	3
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	1
AB-D25-R : D25 A/B Card	u	2
FP-AB-RSS : Blank Panel for unused slots	u	6
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	2
DATA license	u	2
2-Port Async/Sync Serial HWIC	u	2
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	4
Four-Port Voice Interface Card - FXS and DID	u	2
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	1
DATA LICENCE	u	1
2-Port Async/Sync Serial WAN Interface Card	u	1
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	2
Two-Port Voice Interface Card - FXS and DID	u	1
<b>Equipment: VSAT Terminal</b>		
IDU 1070 19" NS + PS AC	u	2
Lic-Key 1070 Full Power Package	u	2
License OSPF	u	2
Lic 8 PSK	u	2
Lic-Key Mesh Topology	u	2
Lic TCP-A	u	2
VSAT antenna refurbishment	set	1
Feed horn pour refurbishment VSAT	set	1
<b>Equipment: Network Management System</b>		
HP ProLiant DL160 Gen8 Base - Server, including:	u	1

	Unit	Qty
Windows Server 2008 R2 Std + 5 CAL OEM HP	u	1
Card PCI-Express 1X 8 ports series RS232 Std and Low Profile	u	1
HP Hard Disk 300Go 3.5 SAS 15000 tours/min.	u	2
SAMSUNG screen LCD 27" Samsung SyncMaster S27A550H	u	1
HP LaserJet Pro 400 M401dn /33ppm	u	1
Eaton Ellipse ECO 1200 FR USB	u	1
WhatsUp Gold Distributed Remote 25 Devices	u	1
Anitivirus	u	1
<b>Other VSAT equipments</b>		
IBUC 80W	u	2
<i>Special Discount for Paramaribo IBUC</i>	u	2
Tx 1+1 switching system	u	1
Rx 1+1 switching system	u	1
LNB	u	2
Handheld Terminal	u	1
Set of breakers	u	1
Coaxial connector	u	5
Coaxial cable	m	100
power cable	m	180
Cat 5 Cable	m	100
<b>Equipment: Ancillaries / Others</b>		
Horloge RT CP 09	u	1
Rack	u	1
IP telephone set to implement the teleconference in the REDDIG II network (including installation in the technical romm and configuration)	u	1
Installation accessories	u	1
<b>Equipment: Ground backbone terminal equipment</b>		
Included in MPLS Services offer	set	0
<b>Services: Installation</b>		
Installation of equipment on site	set	1
<b>Services: Civil Works</b>		
N/A	set	0
<b>TOTAL Suriname(Paramaribo)</b>		<b>set 1</b>
<b><u>Trinidad and Tobago(Piarco)</u></b>		
<b>Equipment: Routing System</b>		
<b>VSAT Part</b>		
NETGEAR SW F/E Stackable Managed Sw	u	2
NETGEAR ProSafe VPN Dual WAN Gigabit	u	1

	Unit	Qty
RSS-16 : RSS 16 Slot 4U Chassis	u	1
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	1
IPC-16-R : Network Control Card - 16	u	1
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	5
AB-D25-R : D25 A/B Card	u	2
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	2
AB-D25-R : D25 A/B Card	u	1
FP-AB-RSS : Blank Panel for unused slots	u	6
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	2
DATA license	u	2
2-Port Async/Sync Serial WAN Interface Card	u	2
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	4
Two-Port Voice Interface Card - FXS and DID	u	2
Four-Port Voice Interface Card - FXS and DID	u	2
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	1
DATA LICENCE	u	1
2-Port Async/Sync Serial WAN Interface Card	u	1
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	1
Four-Port Voice Interface Card - FXS and DID	u	1
<b>Equipment: VSAT Terminal</b>		
IDU 1070 19" NS + PS AC	u	2
Lic-Key 1070 Full Power Package	u	2
License OSPF	u	2
Lic 8 PSK	u	2
Lic-Key Mesh Topology	u	2
Lic TCP-A	u	2
VSAT antenna refurbishment	set	1
<b>Equipment: Network Management System</b>		
HP ProLiant DL160 Gen8 Base - Server, including:	u	1
Windows Server 2008 R2 Std + 5 CAL OEM HP	u	1
Card PCI-Express 1X 8 ports series RS232 Std and Low Profile	u	1
HP Hard Disk 300Go 3.5 SAS 15000 tours/min.	u	2
SAMSUNG screen LCD 27" Samsung SyncMaster S27A550H	u	1
HP LaserJet Pro 400 M401dn /33ppm	u	1
Eaton Ellipse ECO 1200 FR USB	u	1
WhatsUp Gold Distributed Remote 25 Devices	u	1
Anitivirus	u	1
<b>Other VSAT equipments</b>		
IBUC 40W	u	2
Tx 1+1 switching system	u	1
Rx 1+1 switching system	u	1
LNB	u	2

	Unit	Qty
Handheld Terminal	u	1
Set of breakers	u	1
Coaxial connector	u	5
Coaxial cable	m	100
power cable	m	180
Cat 5 Cable	m	100
<b>Equipment: Ancillaries / Others</b>		
Horloge RT CP 09	u	1
Rack	u	1
IP telephone set to implement the teleconference in the REDDIG II network (including installation in the technical romm and configuration)	u	1
Installation accessories	u	1
<b>Equipment: Ground backbone terminal equipment</b>		
Included in MPLS Services offer	set	0
<b>Services: Installation</b>		
Installation of equipment on site	set	1
<b>Services: Civil Works</b>		
N/A	set	0
<b>TOTAL Trinidad and Tobago(Piarco)</b>		<b>set 1</b>
<b><u>Uruguay(Montevideo)</u></b>		
<b>Equipment: Routing System</b>		
<b>VSAT Part</b>		
NETGEAR SW F/E Stackable Managed Sw	u	2
NETGEAR ProSafe VPN Dual WAN Gigabit	u	1
RSS-16 : RSS 16 Slot 4U Chassis	u	1
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	1
IPC-16-R : Network Control Card - 16	u	1
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	7
AB-D25-R : D25 A/B Card	u	3
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	3
AB-D25-R : D25 A/B Card	u	3
FP-AB-RSS : Blank Panel for unused slots	u	0
Cisco 2911 UC Bundle, PVDM3-16, UC License PAK	u	2
DATA license	u	2
4-Port Async/Sync Serial WAN Interface Card	u	2
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	8
Four-Port Voice Interface Card - FXS and DID	u	2
EM-HDA-3FXS/4FXO	u	2

	Unit	Qty
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	1
DATA LICENCE	u	1
2-Port Async/Sync Serial WAN Interface Card	u	1
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	2
Two-Port Voice Interface Card - FXO	u	1
Four-Port Voice Interface Card - FXS and DID	u	1
<b>Equipment: VSAT Terminal</b>		
IDU 1070 19" NS + PS AC	u	2
Lic-Key 1070 Full Power Package	u	2
License OSPF	u	2
Lic 8 PSK	u	2
Lic-Key Mesh Topology	u	2
Lic TCP-A	u	2
VSAT antenna refurbishment	set	1
Feed horn pour refurbishment VSAT	set	1
<b>Equipment: Network Management System</b>		
HP ProLiant DL160 Gen8 Base - Server, including:	u	1
Windows Server 2008 R2 Std + 5 CAL OEM HP	u	1
Card PCI-Express 1X 8 ports series RS232 Std and Low Profile	u	1
HP Hard Disk 300Go 3.5 SAS 15000 tours/min.	u	2
SAMSUNG screen LCD 27" Samsung SyncMaster S27A550H	u	1
HP LaserJet Pro 400 M401dn /33ppm	u	1
Eaton Ellipse ECO 1200 FR USB	u	1
WhatsUp Gold Distributed Remote 25 Devices	u	1
Anitivirus	u	1
<b>Other VSAT equipments</b>		
IBUC 40W	u	2
Tx 1+1 switching system	u	1
Rx 1+1 switching system	u	1
LNB	u	2
Handheld Terminal	u	1
Set of breakers	u	1
Coaxial connector	u	5
Coaxial cable	m	120
power cable	m	210
Cat 5 Cable	m	120
<b>Equipment: Ancillaries / Others</b>		
Horloge RT CP 09	u	1
Rack	u	1
IP telephone set to implement the teleconference in the REDDIG II network (including installation in the technical romm and configuration)	u	1
Installation accessories	u	1

	Unit	Qty
<b>Equipment: Ground backbone terminal equipment</b>		
Included in MPLS Services offer	set	0
<b>Services: Installation</b>		
Installation of equipment on site	set	1
<b>Services: Civil Works</b>		
N/A	set	0
<b>TOTAL Uruguay(Montevideo)</b>	<b>set</b>	<b>1</b>
<b><u>Venezuela(Maiquetía)</u></b>		
<b>Equipment: Routing System</b>		
<b>VSAT Part</b>		
NETGEAR SW F/E Stackable Managed Sw	u	2
NETGEAR ProSafe VPN Dual WAN Gigabit	u	1
RSS-16 : RSS 16 Slot 4U Chassis	u	2
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	2
IPC-16-R : Network Control Card - 16	u	2
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	8
AB-D25-R : D25 A/B Card	u	10
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	3
AB-D25-R : D25 A/B Card	u	5
FP-AB-RSS : Blank Panel for unused slots	u	6
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	4
DATA license	u	2
Four-Port Voice Interface Card - FXO	u	2
2-Port Async/Sync Serial WAN Interface Card	u	2
8-Port Async HWIC	u	2
Two-port Voice Interface Card - E and M	u	8
Four-Port Voice Interface Card - FXS and DID	u	2
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	2
DATA LICENCE	u	1
2-Port Async/Sync Serial WAN Interface Card	u	1
4-Port Async/Sync Serial HWIC	u	1
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	u	5
Two-port Voice Interface Card - E and M	u	2
Two-Port Voice Interface Card - FXS and DID	u	1
<b>Equipment: VSAT Terminal</b>		
IDU 1070 19" NS + PS AC	u	2
Lic-Key 1070 Full Power Package	u	2

	Unit	Qty	
License OSPF	u	2	
Lic 8 PSK	u	2	
Lic-Key Mesh Topology	u	2	
Lic TCP-A	u	2	
VSAT antenna refurbishment	set	1	
<b>Equipment: Network Management System</b>			
HP ProLiant DL160 Gen8 Base - Server, including:	u	1	
Windows Server 2008 R2 Std + 5 CAL OEM HP	u	1	
Card PCI-Express 1X 8 ports series RS232 Std and Low Profile	u	1	
HP Hard Disk 300Go 3.5 SAS 15000 tours/min.	u	2	
SAMSUNG screen LCD 27'' Samsung SyncMaster S27A550H	u	1	
HP LaserJet Pro 400 M401dn /33ppm	u	1	
Eaton Ellipse ECO 1200 FR USB	u	1	
WhatsUp Gold Distributed Remote 25 Devices	u	1	
Anitivirus	u	1	
IP to serial converter	u	1	
<b>Other VSAT equipments</b>			
IBUC 80W	u	2	
	<i>Special Discount for Maiquetia IBUC</i>	u	2
Tx 1+1 switching system	u	1	
Rx 1+1 switching system	u	1	
LNB	u	2	
Handheld Terminal	u	1	
Set of breakers	u	1	
Coaxial connector	u	5	
Coaxial cable	m	120	
power cable	m	210	
Cat 5 Cable	m	120	
<b>Equipment: Ancillaries / Others</b>			
Horloge RT CP 09	u	1	
Rack	u	1	
IP telephone set to implement the teleconference in the REDDIG II network (including installation in the technical romm and configuration)	u	1	
Installation accessories	u	1	
<b>Equipment: Ground backbone terminal equipment</b>			
Included in MPLS Services offer	set	0	
<b>Services: Installation</b>			
Installation of equipment on site	set	1	
<b>Services: Civil Works</b>			
N/A	set	0	

	Unit	Qty
<b>TOTAL Venezuela(Maiquetía)</b>	<b>set</b>	<b>1</b>
<b><u>Spare Parts</u></b>		
<b>This item includes the following equipment:</b>		
RSS-16 : RSS 16 Slot 4U Chassis	u	2
K16-RPC-WRI, 100-240 VAC, Mini : PWR MODULE, 1 Slot Redundant	u	2
IPC-16-R : Network Control Card - 16	u	2
AB-2RJ8-R : Dual 8 Wire Mod. Jack A/B Card	u	5
AB-D25-R : D25 A/B Card	u	6
Cisco 2901 UC Bundle, PVDM3-16, UC License PAK	u	3
Cisco 2911 UC Bundle, PVDM3-16, UC License PAK	u	1
DATA license	u	3
Communication Manager Express or SRST - 25 seat license	u	1
2-Port Async/Sync Serial WAN Interface Card	u	4
4-Port Async/Sync Serial HWIC	u	2
8-Port Async HWIC	u	1
8-Port Async/Sync Serial HWIC, EIA-232	u	1
Two-port Voice Interface Card - E and M	u	10
Two-Port Voice Interface Card - FXS and DID	u	2
Four-Port Voice Interface Card - FXS and DID	u	1
Four-port Voice Interface Card - FXO	u	1
1 Port 2nd Gen Multiflex Trunk Voice/WAN Int. Card - T1/E1	u	1
2 Port 2nd Gen Multiflex Trunk Voice/WAN Int. Card - T1/E1	u	1
EVM-HD-8FXS/DID	u	1
EM-HDA-3FXS/4FXO	u	1
<b>RS 232 cab</b>	<b>u</b>	<b>17</b>
NETGEAR SW F/E Stackable Managed Sw	u	2
NETGEAR ProSafe VPN Dual WAN Gigabit	u	1
IDU 7000 Master	u	1
Lic 8 PSK	u	3
IDU 1070 19" NS + PS AC	u	2
Lic-Key 1070 Full Power Package	u	2
License OSPF	u	3
Lic-Key Mesh Topology	u	2
Lic TCP-A	u	3
HP ProLiant DL160 Gen8 Base - Serveur - Montable sur rack - 1U - 2 voies - 1 x Xeon E5-2620 / 2 GHz - RAM 8 Go - SATA - hot-swap 3.5''	u	1
Windows Server 2008 R2 Std + 5 CAL OEM HP	u	1
Card PCI-Express 1X 8 ports series RS232 Std and Low Profile	u	1
HP Disque dur 300Go 3.5 SAS 15000 tours/min.	u	2
SAMSUNG Ecran LCD 27'' Samsung SyncMaster S27A550H	u	1

	Unit	Qty
HP LaserJet Pro 400 M401dn /33ppm	u	1
Câble réseau Cat 5e blindé (FTP) 30 mètres	u	1
Aten prolongateur usb sur jr45 ce700a	u	1
Eaton Ellipse ECO 1200 FR USB	u	1
Anitivirus	u	1
IOMEGA NAS Externe 2T SATA DD 2To X 1lomega Home		
Media Network Hard Drive Cloud Edition - NAS - 2 To - Serial	u	1
ATA-300 - DD 2 To x 1 - Gigabit Ethernet		
IP to serial converter	u	1
Horloge RT CP 09	u	1
IP telephone set to implement the teleconference in the REDDIG II network (including installation in the technical romm and configuration)	u	1
IBUC 40W	u	2
IBUC 80W	u	1
<i>Special Discount for Spare IBUC 80W</i>	u	1
Tx 1+1 switching system	u	1
Rx 1+1 switching system	u	1
LNB	u	2
Handheld Terminal		1
RF filter	u	2
<b>TOTAL Spare Parts</b>	<b>set</b>	<b>1</b>
<b><u>Measuring equipment and tools</u></b>		
<b>This item includes the following equipment:</b>		
LAN/NETWORK Protocol Analyzer SignalTEK II	u	16
<b>TOTAL Measuring equipment and tools</b>	<b>set</b>	<b>1</b>
<b><u>Test equipment</u></b>		
<b>This item includes the following equipment:</b>		
Multimeter (one for each site)	u	16
<b>TOTAL Test equipment</b>	<b>set</b>	<b>1</b>

## APPENDIX C / APENDICE C

WEEK 1	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<b>Morning</b>  <b>09.00 – 12.30</b>	<b>1) - REDDIG II Architecture</b>  <b>Introduction to IP</b> 1) Ethernet interface 802.3: framing, MAC 2) IP Basics and address classes and sub-netting. 3) Routing: Static and Dynamic 4) QoS	<b>3)- SKYWAN: Satellite Access and Frames</b> 1) Introduction to topologies 2) Master and slave 4) Frame Basics <b>TPC and AGC</b> 1) TPC and AGC 2) Power essential parameters	<b>5)- Network Design Practical case</b>	<b>7)- SKYWAN part 1</b> 1). Introduction Cards description 2). Equipment operation: Normal, Loop and Diagnostic 3) Light indicators and LRU replacement 4) Basic troubleshooting <b>SKYWAN Laboratory</b>	<b>9)- SKYNMS - configuration</b> 1).IP: CTL, RT, NRT. 2) Transmit queues, management rules, fragmentation, and data packets rejection. 3) Burst structure, payloads, QoS. 4) Traffic Modes: Stream, Stream Within Guarthr,
	<b>LUNCH 12 h 30 – 13 h 30</b>				
<b>Afternoon</b>  <b>13.30 – 17.30</b>	<b>2)- VSAT Station Components</b> 1) Instruments and measurement units 2) IBUC main parameters: BW, Power, frequency 3) LNB main parameters and noise 4) Redundancy	<b>4)- Network Design - Erlang calculation - TDMA simulation - Intelsat simulator</b>	<b>6) Network Design Practical case.</b>	<b>8)- Skywan - part 2</b> 1) Line-up manager presentation 2) LUM laboratory	<b>10)- SkyNMS tools</b> 1) Database 2) MIB 3) Grapher
WEEK 2	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<b>Morning</b>  <b>09.00 – 12.30</b>	<b>11)- SkyNMS - Laboratory -pt 1</b>  1) IDU (skywan) configuration 2) Network configuration  Rio training lab preparation	<b>13)- Cisco configuration course</b>	<b>15)- Cisco course and Laboratory</b>  - basic station configuration - routing	<b>17)- Cisco course and Laboratory</b>  - QoS - tacking.	<b>19) Skywan / Cisco / Netgear Laboratory - pt 1</b>  - integration - configuration - QoS  Preparation of Rio training

WEEK 2	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<b>LUNCH 12 h 30 – 13 h 30</b>					
<b>Afternoon</b>  <b>13.30 – 17.30</b>	<b>12)- SkyNMS - Laboratory - pt 2</b>  1) IDU (skywan) configuration 2) Network configuration  Rio training lab preparation	<b>14)- Cisco Laboratory - basic configuration - monitoring</b>	<b>16)- Cisco Laboratory -service configuration: voice data transfer</b>	<b>18)- Netgear equipments configuration lab</b>	<b>20)- Skywan / Cisco / Netgear Laboratory - pt 2</b> - integration - configuration - OSPF  Preparation of Rio training
WEEK 3	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<b>Morning</b>  <b>09.00 – 12.30</b>	<b>21)- NMS system – Part 1</b>  1)console. 2) web interface. 3) Learn how to navigate through workspaces, how to create new workspace, add reports, ...	<b>23)- NMS system - laboratory</b>	<b>25)- Redundancy system - Cisco Lab - Equipment configuration - NMS based commutation</b>	<b>27)- Skywan / Cisco / Netgear Laboratory</b>  <b>advanced concepts</b>	<b>29)- Debrief - Additional questions / tasks</b>
<b>LUNCH 12 h 30 – 13 h 30</b>					
<b>Afternoon</b>  <b>13.30 – 17.30</b>	<b>22)- NMS system – Part 2</b>  4) Description of the groups and maps in WUG. Description of the animation for icons. 5) dynamic or static groups, filter 5) reports	<b>24)- Redundancy system - theory and Lab</b> - Equipment configuration - NMS based commutation	<b>26)- Exploitation et Maintenance</b> 1) Software upgrade 2) Maintenance exercices 3) Fault finding exercices <b>Failure prevention</b>	<b>28)- Skywan / Cisco / Netgear Laboratory</b>  advanced concepts	<b>30)- Debrief - Additional questions / tasks</b>



**International Civil Aviation Organization**

**Contract No. 22500187 for the Provision of the Interconnection of the MEVA II and REDDIG Satellite Telecommunications Network.**

Description:	(US \$)
Network access	<b>2,760.96</b>
- for Brazil	279.24
- for Caracas	1,380.48
- for Bogota	822.00
- for Peru	279.24
Total circuit (AFTN/PAMA/DAMA circuits)	<b>2169.00</b>
- for Brazil	245.00
- for Caracas	844.00
- for Bogota	835.00
- for Peru	245.00
<b>Total Monthly Recurring Price:</b>	<b>4,929.96</b>

5.1.3 The following Non-Recurring One Time Fee is included:

Description	(US \$)
Site Survey	6,975.00
Network Integration/Installation	28,215.28
Shipping	6,562.50
Activation	5,000.00
<b>Total One Time Fees:</b>	<b>46,752.78</b>

5.1.4 The summary of prices above includes all Services related to this Contract. These prices shall remain firm for one hundred and twenty (120) months from the activation date of the Services as defined under this Contract. Such prices are exclusive of taxes and import duties on all goods and/or services imported under this Contract into the countries of the MEVA II and REDDIG Member States/Territories/International Organization. In the event that any taxes or import duties are levied on the Contractor by the Authorities in such countries on the imported goods and/or services, arrangements will be made by the Authorities in the country to withdraw the levy or such taxes or import duties will be paid by the concerned MEVA II and REDDIG Member States/Territories/International Organization directly

5.1.5 The prices for the local services and supplies purchased by the Contractor or subcontracted and carried out in the countries of the MEVA II and REDDIG Member States/Territories/International Organization in the performance of this contract, if any, include all applicable taxes.

5.1.6 The activation date for the leasing services procured under this Contract shall be the day following the successful acceptance of the interconnection as defined under Article 10.0 (signed Site Acceptance Certificate).

5.1.7 Three months before the end of the leasing period, the Contractor shall inform ICAO, the countries of the MEVA II and REDDIG Member States/Territories/International Organization and the REDDIG & MEVA II TMG of the scheduled end date of the Services. The Contractor undertakes to accept an amendment to the duration of this Contract should ICAO/ the countries of the MEVA II and REDDIG Member States/Territories/International Organization's decide to extend the Services for one or more additional years (not exceeding nine (9) cumulative years after the initial one year leasing period).

**APPENDIX E / APENDICE E****MEVA III VSAT Network****Change Request Form****Contracting Partner: ICAO / MEVA III and REDDIG Member States/Territories/International Organization****Change request dated: 11 March 2014 / 19 March 2014**

Reference in ICAO Contract	COMSOFT Substitute/Comment	ICAO Response
Cover Page	a) Please update the Contract No. b) Please change into COMSOFT GmbH as contracting party	OK COMSOFT – confirmed and closed
Page 2 / 1.2 “Contractor” means	Please insert COMSOFT GmbH, with headquarters at Wachhausstr. 5a, 76227 Karlsruhe, Germany	OK COMSOFT – confirmed and closed
Page 4 / 4.1.3	COMSOFT provides a monthly reporting and access to our monitoring system which provides the relevant characteristics of the related MEVA III network sites Caracas, Venezuela and Bogotá, Colombia. Please confirm, if this is the requirement which ICAO would like to get?	Please specifies the content of the monthly report  COMSOFT – In accordance to the Sealed Tender ST-22501390, COMSOFT provides the following content of the monthly report: <ul style="list-style-type: none"> <li>• Section 1 – Executive Summary</li> <li>• Section 2 – Status Assessment</li> <li>• Section 3 – Performance Assessment</li> <li>• Section 4 – Trouble Ticket Log and Analysis</li> </ul>
Page 4 / 5.1.1	Please adapt the total price of the contact in accordance to the offered prices and related chapters below.	In the contract it is necessary to indicate the cost for each States of SAM region involved in the MEVA REDDIG interconnection for administrative reason  COMSOFT – We understand the position of ICAO, but would like to refer only to the sentence of this chapter. From our point of view, the sentence under this chapter is only a summary of the overall contract amount and should be adapted before signature. The costs for each REDDIG Member State will be indicated in the chapter / table below. Please confirm.

Reference in ICAO Contract	COMSOFT Substitute/Comment	ICAO Response
Page 5 / Price Tables	<p>According to the Sealed Tender ST-22501390 the required Term of Service shall be minimum 5 years. The overall MEVA III network design and pricing is based on a 5 year service term.</p> <p>Therefore, we would like to request ICAO to adapt this paragraph in accordance to the tender requirements of MEVA III TMG and offered solution.</p> <p>With reference to the request, please receive the adapted pricing for both sites (Caracas and Bogotá):</p> <p>Network Access:                 \$ 2.645.13 Total Circuit:                 \$ 2.331,67</p> <p>Please confirm, if this meets your expectation and adapt this contractual paragraph.</p>	<p>We suggest to insert the following :</p> <p><b>Network access</b></p> <ul style="list-style-type: none"> <li>- for Brazil                 \$ 267.53</li> <li>- for Caracas                 \$1322.56</li> <li>- for Bogotá                 \$ 787.51</li> <li>- for Peru                     \$ 267.53</li> </ul> <p><b>Total circuit</b></p> <ul style="list-style-type: none"> <li>- for Brazil                 \$ 263.37</li> <li>- for Caracas                 \$ 907.30</li> <li>- for Bogotá                 \$ 897.62</li> <li>- for Peru                     \$ 263.37</li> </ul> <p><b>COMSOFT – confirmed and closed</b></p>
Page 5 / 5.1.3	<p>Based on COMSOFT’s proposal the Non-Recurring One Time Fees for both sites (Caracas and Bogotá) will be as follows.</p> <p>Network Integration/Installation/Site Survey activation and operation : \$ 14.524,38 Training Package in Bogotá and Caracas : \$ 7.166,66</p> <p>Please confirm, if this meets your expectation and adapt this contractual paragraph.</p>	<p>For the network integration considering that you present only the total price it is necessary that you add a paragraph where you specify all the activities to be done in the network integration in Bogotá and Caracas and to mention that the integration is a turnkey installation</p> <p>For the training please specify the maximum number of participants for each course in Bogotá and Caracas and the duration of same for each place, Please specify if the training is in a classroom, OJT or both.</p> <p><b>COMSOFT – confirmed. The offered total price for the network integration is a summary of the Non-Recurring Charges of both sites (Bogotá and Caracas), offered in my email, dated 21 January 2014. This applies also to the charges for the training package.</b></p> <p><b>For the training and your questions, please refer to the detailed explanation below this table.</b></p>

Reference in ICAO Contract	COMSOFT Substitute/Comment	ICAO Response
Page 6 / 5.2.1	<p>In accordance to the above paragraphs related to the pricing, please adapt the payment milestones as follows.</p> <p>Non-Recurring Charges: \$ 21.691,04 Monthly Recurring Fees: \$ 4.976,80</p>	<p>OK COMSOFT – confirmed and closed</p>
Page 6 / 5.2.3	<p>Please insert the following bank references:</p> <p>Deutsche Bank AG Karlsruhe Recipient: COMSOFT GmbH Account No.: 1005 255 Area Code: 660 700 04 BIC / SWIFT Code: DEUT DE SM 660 IBAN No.: DE77 6607 0004 0100 5255 00</p>	<p>OK COMSOFT – confirmed and closed</p>
Page 7 / 8.2	<p>Based on the fact that COMSOFT has to sign a contract with each MEVA Member State, which could be occurs in a long-term procedure with different dates of contract signatures, we would like to request ICAO to modify this Paragraph as follows.</p> <p><i>“The Contractor shall submit to ICAO, in accordance to the SEALED Tender ST-22501390 and after signature of the last MEVA III contract, a detailed .....”</i></p> <p>We appreciate if ICAO confirms our proposed solution, based on the tender requirements and critical situation related to the contract procedure. This was also defined with the MEVA III TF.</p>	<p>The MEVA REDDIG contract will be signed once you have signed all the contracts with MEVA III States members . For this reason is not necessary to modify the paragraph.</p> <p>COMSOFT – confirmed and closed. COMSOFT understand the procedure and will sign the contract with ICAO SAM Region, at the last step.</p>

Reference in ICAO Contract	COMSOFT Substitute/Comment	ICAO Response
Page 8 / 11.1	Please adapt this paragraph in accordance to the offered pricing above.	Please specify the maximum number of participants for each course in Bogotá and Caracas and the duration of same for each place, The training is in a classroom, OJT or both.  COMSOFT – please refer to the detailed explanation below the table.
Page 13 / 29.1	This specific paragraph and mainly related to the penalty has to be adapted in accordance to the general SLA with all MEVA Member States. The SLA is actually under finalization between MEVA III TF and COMSOFT, but will be provided to ICAO as soon as possible.	OK we adapt the paragraph at the SLA COMSOFT – confirmed and closed
Page 16 / 36.1	Please adapt this paragraph as follows.  Contractor To: COMSOFT GmbH Attn. Mr. Manfred Schmid (CEO)  Wachhausstr. 5a 76227 Karlsruhe, Germany Tel. +49-721-9497-0 Fax +49-721-9497-129	OK COMSOFT – confirmed and closed
Page 17 / 41.0	COMSOFT would like to request ICAO to adapt the List of Attachments to documentation, provided by COMSOFT on the Sealed Tender ST-22501390.	The list of attachments technical specification, scope of supply , implementation schedule, list of equipment to be supplied (leasing), model site acceptance etc have to be related to the MEVA REDDIG interconnection the list of attachment of ST 22501390 is related on MEVA III installation  COMSOFT – confirmed and closed – COMSOFT will provide the necessary documentation, which are under COMSOFT’s responsibility, related to the contract at the date of signature.
Page 17 / 42.1	Please change this paragraph to “COMSOFT GmbH”.	OK COMSOFT – confirmed and closed

## APPENDIX F

### ACTION PLAN FOR THE INTERCONNECTION OF AMHS SYSTEMS IN THE SAM REGION

ITEM	ACTIVITY	RESPONSIBLE	EXPECTED RESULT	STATUS	FINALIZATION DATE
1	<p>MoU for the interconnection of AMHS currently implemented in the SAM Region:</p> <ul style="list-style-type: none"> <li>a) Argentina-Brazil</li> <li>b) Argentina-Chile</li> <li>c) Argentina-Peru</li> <li>d) Argentina-Paraguay</li> <li>e) Brazil-Colombia</li> <li>f) Brazil-Paraguay</li> <li>g) Brazil-Peru</li> <li>h) Chile-Peru</li> <li>i) Colombia-Peru</li> <li>j) Colombia-Panama</li> <li>k) Colombia-Venezuela</li> <li>l) Peru-Venezuela</li> <li>m) Brazil-Suriname</li> <li>n) Guyana-Venezuela</li> <li>o) Suriname-Venezuela</li> <li>p) Brazil-Guyana</li> <li>q) Guyana-Suriname</li> <li>r) Brazil-Venezuela</li> <li>s) Bolivia-Peru</li> <li>t) Bolivia-Brazil</li> <li>u) Bolivia-Argentina</li> <li>v) Ecuador-Peru</li> <li>w) Ecuador-Colombia</li> <li>x) Ecuador-Venezuela</li> <li>y) Uruguay-Argentina</li> <li>z) Uruguay-Brazil</li> </ul> <p>The AMHS interconnection MoU in French Guiana (France) and Uruguay should be drafted once AMHS installation is completed at national level.</p>	SAM States involved	MoU for interconnection of AMHS systems between SAM States having AMHS implemented	a), b) c), d), f), g), i), l), q) & v) completed	<p>Date estimates for pending MoU</p> <ul style="list-style-type: none"> <li>b) May 2014</li> <li>h) May 2014</li> <li>j) May.2014</li> <li>k) May.2014</li> <li>m) Oct 2015</li> <li>n) Oct 2014</li> <li>o) Oct 2015</li> <li>p) Oct 2014</li> <li>r) May 2014</li> <li>s) Oct 2015</li> <li>t) Oct 2015</li> <li>u) Oct 2015</li> <li>w) May 2014</li> <li>x) Oct 2014</li> <li>y) May 2015</li> <li>z) May 2015</li> </ul>

ITEM	ACTIVITY	RESPONSIBLE	EXPECTED RESULT	STATUS	FINALIZATION DATE
2	<p>Phase I Interconnection trials between MTAs of:</p> <p>a) Argentina-Brazil b) Argentina-Paraguay c) Brazil-Paraguay d) Colombia-Peru e) Argentina-Chile f) Argentina-Peru g) Brazil-Peru h) Guyana-Suriname i) Ecuador-Peru j) Brazil-Colombia k) Perú-Venezuela</p> <p>Types of tests to carry out: Network transportation; Network connectivity; Message exchange; Preparatory phase.</p> <p><b>Note:</b> Inclusion has been made of only the AMHS interconnected between States having implemented and signed the MoU.</p>	Argentina, Brazil, Chile, Colombia, Ecuador, Guyana, Paraguay, Peru, Suriname, Venezuela and REDDIG Administration	Interconnection trials between Argentina, Brazil, Chile, Colombia, Ecuador, Guyana, Paraguay, Peru, Suriname and Venezuela MTAs	<p>a), f), g) message exchange trials were held between CIPE (Argentina)-Brasilia (Brazil) MTAs; the Manaus (Brazil)-Lima (Peru) MTAs, and the CIPE (Argentina)-Lima (Peru) MTAs.</p> <p>c) MoU was updated, as entrance node to Brazil will be Curitiba, and the network connectivity, and transport and exchange of messages tests will be carried out.</p> <p>b), d), h) and i) Operational interconnection trials completed</p> <p>c), e), j) No tests carried out</p> <p>k) network connectivity trials held</p>	<p>a) Jun 2012 Completed b) Mar 2012 Completed c) Mar 2014 d) Oct 2010 Completed e) Jun 2014 f) Mar 2014 g) May 2014 h) Jun 2011 Completed i) Jul 2012 Completed j) Jul 2014 k) Jul 2014</p>
3	<p>Operational interconnection implementation at the following MTA:</p> <p>a) Argentina-Brasil b) Argentina-Paraguay c) Brasil-Paraguay d) Colombia-Perú e) Argentina-Chile f) Argentina-Perú g) Brasil-Perú h) Guyana- Surinam i) Ecuador- Perú j) Brasil- Colombia k) Perú-Venezuela</p> <p><b>Note:</b> Inclusion has been made of only the AMHS interconnected between States having implemented and signed the MoU.</p>	Argentina, Brazil, Chile, Colombia, Ecuador, Guyana, Paraguay, Peru, Suriname, and Venezuela	Operational implementation of AMHS systems	AMHS interconnection completed between following MTA, using P1 protocol and operational in b), d) h), i)	<p>a) Jun 2014 b) Mar 2012 operational c) Jul 2014 d) Nov 2010 operational e) Dec 2014 f) Jul 2014 g) Jul 2014 h) Jul 2011 Operational i) Jul 2012 Operational j) Dec 2014 k) Dec 2014</p>

**Agenda Item 5: Financial situation of the project and approval of the Budget**

5.1 Under this Agenda Item, the Meeting took note of the expenses incurred by Project RLA/03/901 and the situation of cost-sharing contributions in 2013.

***Summary of expenditures incurred by Project RLA/03/901 between 2003 and 2013***

5.2 Table # 1 shows the expenditures incurred by Project RLA/03/901. The project spent USD 1,071,336 in 2013 (expenditures corresponding to 2013 are subject to confirmation based on financial statements), and a total of USD 6,470,948 from 2003 to 2013.

5.3 Table # 2 contains a bar chart with the distribution of project expenditures by year, as well as a pie chart that showing the percentage of implementation of each budget component.

***Status of cost sharing contributions***

5.4 The Meeting took note of the status of the cost sharing contributions listed in Table # 3, which has a distribution consistent with the proposed Project budget Revision "S". To date, the total contributions amount to USD 11,928,534. Subtracting the costs of USD 6,473,746, there is a positive balance of USD 5,454,788. The afore indicated Tables 1, 2 and 3 are shown in **Appendix A**<sup>1</sup>.

***Updating of project budget***

5.5 Subsequently, the Meeting took note on the proposed Project budget Revision "S", aimed mainly to update the REDDIG II acquisition costs. Likewise, it was also informed that the purchase and installation of a new antenna for Paraguay was incorporated to the budget; the cost of this equipment was assumed by Paraguay.

5.6 In relation to the new MEVA III / REDDIG II interconnection to be carried out with the leasing option (refer to Agenda Item 4), it was agreed that the cost of this interconnection would be incorporated in the Project budget Revision "S", in addition to the cost of the equipment to be required by COCESNA for the interconnection with the REDDIG.

5.7 The Meeting was also informed of the requirement of Brazil for installing a new REDDIG node in Brasilia and its application to join the new node in the project RLA/03/901 costs involved in the Project budget Revision "S" once they have the estimated values. Regarding the above procedure for the inclusion of the new node in Brasilia, will make the consultation to the ICAO Technical Cooperation Bureau in Montreal.

5.8 In the case of COCESNA, it was also considered the need to update the Agreement between ICAO and COCESNA for the MEVA II / REDDIG (Project RLA/09/901) so that it includes the cost of equipment, installation and related services for the new MEVA III/ REDDIG II. For this update, the amounts indicated in the Revision "S" of the project corresponding to equipment, installation and services, would be taken into account.

5.9 In this regard, the Meeting noted that the Secretariat would proceed with the incorporation of these costs in the Project budget Revision "S", which should be reflected in this final report.

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<sup>1</sup> Refer to REDDIG RCC/17-WP/05.

5.10 Finally, the Meeting, after examining the Project budget Revision “S”, prepared by the Secretariat, agreed to adopt the following conclusion:

**Conclusion RCC/17-2 Approval of the Project RLA/03/901 budget Revision “S”**

That the Seventeenth Meeting of the Coordination Committee of Project RLA/03/901 approve the Project RLA/03/901 budget Revision “S”, as shown in the **Appendix B** to the Report on Agenda Item 5.

5.11 The Meeting took note of the late payment of contributions for 2012 and 2013 by Suriname and considered that the Secretariat send a letter to Suriname informing the need to comply with the payment of cost sharing contributions in order that the project has the necessary funds for the network management.

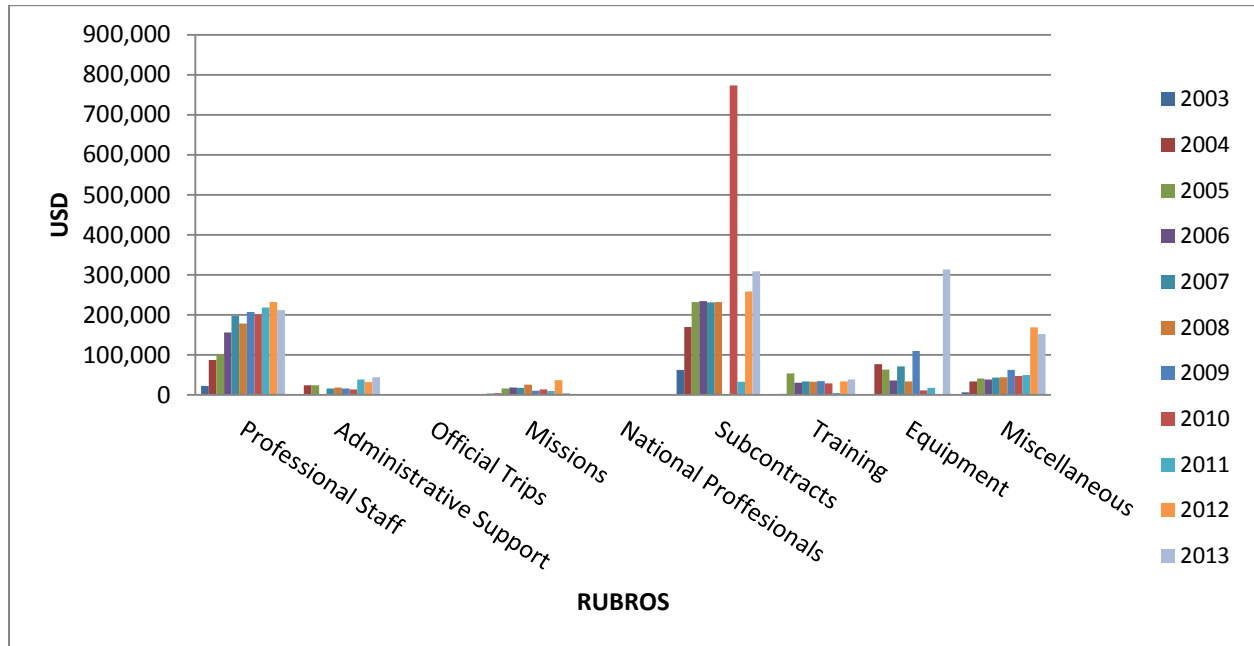
5.12 In addition, the Meeting was informed that the Secretariat will carry out necessary coordinations with the Technical Cooperation Bureau in Montreal, Canada, in order that Contract 22501200 includes the installatin of a new REDDIG II node in Brasilia.

## APPENDIX A

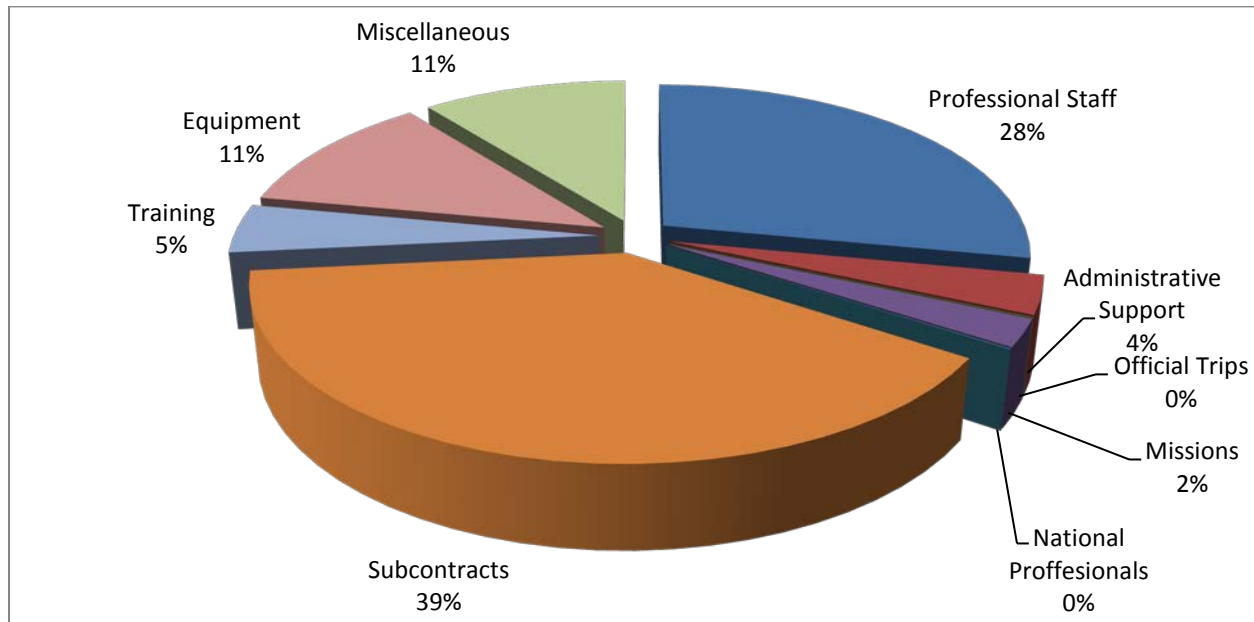
**Table # 1 - Detailed breakdown of expenditures up to 31 December 2013**  
(expenditures in 2013 are subject to confirmation with the final financial statements)

CONCEPT		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
<b>BL 11</b>	<b>Experts</b>												
	REDDIG Administrator	22,359	93,953	101,296	156,503	197,784	177,449	207,289	201,030	209,250	232,544	212,112	1,811,569
	Consultants		(6,303)				1,499			9,200	0	0	4,396
<b>BL 13</b>	<b>Administrative Support</b>												0
13-01	Secretary	354	12,185	12,551		15,968	11,471	16,497	14,066	19,086	19,443	17,183	138,804
13-02	REDDIG Technician		12,000	12,108	711								24,819
13-04	Secretary						7,516						7,516
13-05	Administrative and financial assistant									10,670	12,831	15,508	39,009
13-06	Information technology clerk									8,931	107	11,425	20,463
<b>BL 15</b>	<b>Official trips</b>		321	925	499						0	0	1,745
<b>BL 16</b>	<b>Missions</b>	3,504	4,110	16,732	18,642	18,357	25,718	10,615	14,110	10,250	36,747	5,075	163,860
<b>BL 17</b>	<b>National professionals</b>							2,080		961			3,041
<b>BL 20</b>	<b>Subcontracts</b>												20
21-01	Pan Am sat (P.O. 40670)												0
21-01	P.O. 30473(1 Oct 2003 to 31 Dec 2003)	62,727											62,727
21-01	P.O. 40670 ( 1 Jan 2005 to 31 Dec 2008)		168,849	231,264	231,264	231,264	231,264						1,093,905
21-01	Rent 2009-2011								693,792				693,792
21-01	Rent 2012-2014										233,826	231,264	465,090
21-02	Network Access									32,831	24,650	77,518	134,999
21-07	MEVA/REDDIG Non Recurrent								77,684				77,684
21-98	Professional liability insurance		845	1,156	3,469		1,156	1,156	1,810		0	0	9,592
<b>BL 39</b>	<b>Training</b>		3,014	53,862	30,553	34,044	32,852	34,413	29,496	5,130	33,591	38,422	295,376
<b>40</b>	<b>Equipment</b>												0
<b>45-01</b>	<b>Spare parts</b>		-12,752	59,541	36,311	71,637	33,997	108,509	8,218	2,896	635	3,600	312,592
<b>45-02</b>	<b>Office equipment</b>	82	0	2,083	-30	0	0	0	351	3,402	757	3,128	9,773
45-03	Equipment operation and maintenance		1,716						1,676	2,009		0	5,401
45-03	PO 50522 VIASAT Modem Repair SYGC			1,603									1,603
45-03	CB LIMA			179									179
45-04	Transfer of NCC from SPIM to SBMN												0
45-04	P.O. 040694 VIASAT		8,250										8,250
45-04	P.O. 040687 MEMOTEC		4,250										4,250
45-05	Extension of SEEE contract (P.O. 40489)		50,000										50,000
45-06	SEEE backup network (P.O. 04090)		24,820										24,820
45-09	Interconnection equipment MEVA-REDDIG									9,439			9,439
45-10	REDDIG II Acquisition											307,004	307,004
45-98	Professional liability insurance		444	284	246		130	1,109	1,250		0	0	3,463
<b>50</b>	<b>MISCELLANEOUS</b>												0
53-01	Miscellaneous expenses	643	4,726	4,475	1,150	8,688	4,632	3,703	14,253	13,351	11,518	8,340	75,479
53-02	PNUD services		118	505	337			3,318				0	4,278
55.01	Administrative costs	6,439	28,795	35,817	37,372	34,601	39,503	55,621	33,357	36,539	157,229	143,555	608,828
	<b>TOTAL</b>	<b>96,108</b>	<b>399,341</b>	<b>534,381</b>	<b>517,027</b>	<b>612,343</b>	<b>567,187</b>	<b>444,309</b>	<b>1,091,093</b>	<b>373,945</b>	<b>763,878</b>	<b>1,074,134</b>	<b>6,473,746</b>

**Table # 2**  
**Distribution of project expenditures per year**



**Percentage of implementation by each budget component**



**Table # 3 - Status of cost-sharing contributions to Project RLA/03/901**

	2003-2006		1 July 2007		1 July 2008		1 July 2009		1 July 2010		1 July 2011		1 July 2012		1 July 2013		Totals		
	Quota	Paid	Quota	Paid	Quota	Paid	Quota	Paid	Quota	Paid	Quota	Paid	Quota	Paid	Quota	Paid	Quota	Paid	Debts
Argentina	163,063	167,483	66,700	65,423	80,000	77,660	85,063	85,559	86,201	0	82,500	167,402	363,218	281,230	123,934	205,922	1,050,679	1,050,679	0
Bolivia	124,163	124,143	10,900	0	43,675	54,595	52,460	52,460	48,039	48,039	43,924	43,924	324,355	324,345	74,603	62,820	722,119	710,326	11,793
Brasil	387,090	389,855	60,800	58,035	81,444	81,444	118,154	118,039	137,644	142,700	148,003	148,003	993,893	993,893	193,683	235,239	2,120,711	2,167,208	-46,497
Chile	178,513	207,223	28,710	0	29,500	29,500	29,500	29,500	1,000	1,000	45,000	45,000	44,791	44,791	346,919	346,919	703,933	703,933	0
Colombia	186,363	186,363	150,000	0	0	150,000	7,441	7,441	0	0	67,201	67,201	346,822	412,394	65,572	0	823,399	823,399	0
Ecuador	110,713	110,713	19,000	19,000	40,865	40,865	51,589	51,589	35,000	35,000	35,000	35,000	328,951	328,951	63,882	65,598	685,000	686,716	-1,716
Francia	93,373	93,363	25,000	25,000	45,795	45,795	51,371	51,371	24,092	24,092	42,203	42,178	323,622	323,572	62,981	0	668,437	605,371	63,066
Guyana	87,013	64,487	15,000	27,854	35,935	35,378	43,009	29,119	30,000	43,870	30,000	63,148	314,398	328,347	57,193	21,696	612,548	613,899	-1,351
Paraguay	100,663	100,663	25,600	25,600	46,160	46,160	53,262	53,262	47,056	0	40,162	87,148	323,098	323,048	68,543	64,899	704,544	700,780	3,764
Peru	154,113	154,103	40,000	40,010	71,372	71,372	77,820	77,820	78,271	0	77,000	155,271	349,287	349,287	76,474	76,474	924,337	924,337	0
Suriname	88,913	60,198	18,300	0	36,412	28,670	44,752	18,330	30,000	0	30,000	111,164	318,461	311,215	62,017	0	628,855	529,577	99,278
Uruguay	120,513	120,483	77,171	77,156	64,003	52,871	39,759	39,729	30,000	29,970	30,000	29,971	325,269	333,134	63,551	66,541	750,266	749,855	411
Venezuela	133,013	133,013	38,700	38,700	71,774	71,774	81,664	81,664	88,967	88,967	80,000	80,000	368,283	368,283	85,800	100,980	948,201	963,381	-15,180
Trinidad y Tabago	45,400	45,384	15,500	15,500	37,791	37,787	48,776	48,776	30,000	29,980	30,000	0	318,571	318,528	45,913	91,605	571,951	587,560	-15,609
COCESNA							0	0	28,400	0	19,193	65,145	19,193	19,178	19,193	19,178	85,979	103,501	-17,522
<b>Sub-Totals</b>	<b>1,972,906</b>	<b>1,957,475</b>	<b>591,381</b>	<b>392,278</b>	<b>684,726</b>	<b>823,871</b>	<b>784,620</b>	<b>744,659</b>	<b>694,670</b>	<b>443,618</b>	<b>800,186</b>	<b>1,140,555</b>	<b>5,062,212</b>	<b>5,060,196</b>	<b>1,410,258</b>	<b>1,357,871</b>	<b>12,000,959</b>	<b>11,920,523</b>	<b>80,436</b>
Interests	32,054	32,054	17,065	17,065	8,630	8,630	2,023	2,023	785	785	468	468	2,776	2,776	1,211	1,211	63,801	63,801	
Adjustments							-75	-75	-15	-15	379	379	-164	-164	84,748	84,748	125	125	
<b>Sub-Totals</b>	<b>32,054</b>	<b>32,054</b>	<b>17,065</b>	<b>17,065</b>	<b>8,630</b>	<b>8,630</b>	<b>1,948</b>	<b>1,948</b>	<b>770</b>	<b>770</b>	<b>847</b>	<b>847</b>	<b>2,612</b>	<b>2,612</b>	<b>85,959</b>	<b>85,959</b>	<b>63,926</b>	<b>63,926</b>	
<b>Totals</b>	<b>2,004,960</b>	<b>1,989,529</b>	<b>608,446</b>	<b>409,343</b>	<b>693,356</b>	<b>832,501</b>	<b>786,568</b>	<b>746,607</b>	<b>695,440</b>	<b>444,388</b>	<b>801,033</b>	<b>1,141,402</b>	<b>5,064,824</b>	<b>5,062,808</b>	<b>1,496,217</b>	<b>1,443,830</b>	<b>12,064,885</b>	<b>11,984,449</b>	<b>80,436</b>

*NOTE: Some differences between the amount deposited by the States and that shown by ICAO are due to transaction costs or exchange rates.*



**APPENDIX B  
PROJECT BUDGET**

(in US dollars)

Country: Regional for South America  
Project: RLA/03/901/S  
Title: REDDIG Management System and Satellite Segment Administration

Starting date: 1 July 2003  
Termination date: 31 December 2018

	TOTAL	*----- 2003	*----- 2004	*----- 2005	*----- 2006	*----- 2007	*----- 2008	*----- 2009	*----- 2010
Terrestrial service SBCT	150,000								
Terrestrial service SBMN	150,000								
Terrestrial service SBRF	150,000								
Terrestrial service SCEL	150,000								
Terrestrial service SKED	150,000								
Terrestrial service SEGU	150,000								
Terrestrial service SOCA	150,000								
Terrestrial service SYGC	150,000								
Terrestrial service SGAS	150,000								
Terrestrial service SPIM	150,000								
Terrestrial service SMPM	150,000								
Terrestrial service TTZP	150,000								
Terrestrial service SUMU	150,000								
Terrestrial service SVMI	150,000								
21-98 Professional liability insurance	34,592		845	1,156	3,469		1,156	1,156	1,810
<b>29 Component total</b>	<b>6,572,949</b>	<b>62,727</b>	<b>169,694</b>	<b>232,420</b>	<b>234,733</b>	<b>231,264</b>	<b>232,420</b>	<b>1,156</b>	<b>773,286</b>
<b>30 TRAINING</b>									
31 Individual fellowships									
31-01 SAEZ (Vittor)	883			883					
31-02 SCEL (Vergara)	859			859					
31-03 SEGU (Avellán)	857			857					
31-04 SEGU (Tapia)	857			857					
31-05 SOCA (Burtin)	870			870					
31-06 SYGC (Salisbury)	857			857					
31-07 SMPM (Maharban)	857			857					
31-08 SMPM (Martosoewito)	857			857					
31-09 SVMI (Correa)	857			857					
31-10 SOCA (Berton)	870			870					
31-11 SVMI (Padrón)	857			857					
31-12 SAEZ (Schenk)	1,422			1,422					
31-13 SBMN (Mello)	1,422			1,422					
31-14 SGAS (Torres)	857			857					
31-15 SGAS (Pereira)	857			857					
31-16 SUMU (Vera)	857			857					
31-17 SUMU (Pelayo)	857			857					
31-18 SLLP (Balderrama)	870			1,000		-130			
31-19 SLLP (Tito)	870			1,000		-130			
31-20 SVMI (Castillo)	858			858					
	0								
31-21 SYGC (Mortimer)	1,017				1,017				
31-22 SYGC (Stanley)	1,017				1,017				
31-23 SMPM (Rabindre)	876				1,017	-141			
31-24 SMPM (Wakidi)	876				1,017	-141			
31-25 SAEZ (Vittor)	1,017				1,017				

**APPENDIX B  
PROJECT BUDGET**

(in US dollars)

Country: Regional for South America  
Project: RLA/03/901/S  
Title: REDDIG Management System and Satellite Segment Administration

Starting date: 1 July 2003  
Termination date: 31 December 2018

		TOTAL	*-----	2003	*-----	2004	*-----	2005	*-----	2006	*-----	2007	*-----	2008	*-----	2009	*-----	2010
31-26	SAEZ (Alaniz)	1,017								1,017								
31-27	SKED (Ciro)	1,727								1,727								
31-28	SKED (Sanchez)	1,727								1,727								
31-29	SGAS (Torres)	1,659								1,659								
31-30	SGAS (Pereira)	1,659								1,659								
31-31	SLLP (Lara)	1,017								1,017								
31-32	SLLP (Tito)	1,017								1,017								
31-33	SUMU (Vera)	2,538								2,538								
31-34	SUMU (Pelayo)	2,538								2,538								
31-35	TTZP (Gunnese)	1,017								1,017								
31-36	TTZP (Rupnarine)	1,017								1,017								
31-37	SEGU (Avellan)	988								988								
31-38	SEGU (Cepeda)	987								987								
31-39	SPIM (Cespedes)	2,142								2,142								
31-40	SPIM (Donayre)	2,142								2,142								
		0																
31-41	SYGC (Mohanram)	1,323										1,323						
31-42	SYGC (Gittens, Troy)	1,323										1,323						
31-43	SGAS (Pereira, Aldo)	4,153										4,153						
31-44	SGAS (Torres, David)	2,251										2,251						
31-45	TTZP (Mckay, Garvin)	1,323										1,323						
31-46	TTZP (Baboolal, Rupnarine)	1,323										1,323						
31-47	SUMU (Vera, Miguel)	2,460										2,460						
31-48	SUMU (Pelayo, Daniel)	2,460										2,460						
31-49	SEGU (Avellan, Raul)	2,623										2,623						
31-50	SEGU (Rugel, Arnoldo)	1,323										1,323						
31-51	SLLP (Balderrama, Barrios)	1,323										1,323						
31-52	SLLP (Huayllas, Hernan)	1,323										1,323						
31-53	SAEZ (Vittor, Cristian)	3,161										3,161						
31-54	SAEZ (Canna, Hernan)	3,161										3,161						
31-55	SPIM (Peralta, Donayre)	2,125										2,125						
31-56	SPIM (Velazquez Palomares)	2,125										2,125						
		0																
31-57	SAEZ (Carlos Adragna)	1,432											1,432					
31-58	SAEZ (Obdulio Gourarnalusse)	1,432											1,432					
31-59	SAEZ (Jaiver Schenk)	2,147											2,147					
31-60	SMPN (Rabindre Kumar)	1,119											1,119					
31-61	TTZP (Moses Brumant)	1,119											1,119					
31-62	TTZP (Garvin Mc Kay)	1,119											1,119					
31-63	SOCA (Gilles Marland)	1,119											1,119					
31-64	SOCA (Serge Diotalevi)	1,119											1,119					
31-65	SMPN (Mahabier Radjinderloemar)	1,119											1,119					
31-66	SAEZ (Carlos Adragna)	2,467											2,467					
31-67	SAEZ (O. Ferreyra)	2,467											2,467					
31-68	SGAS (J. Alarcón)	2,523											2,523					
31-69	SGAS (César Brizuela)	2,523											2,523					



**APPENDIX B  
PROJECT BUDGET**

(in US dollars)

Country: Regional for South America  
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Starting date: 1 July 2003  
Termination date: 31 December 2018

		TOTAL	*----- 2003	*----- 2004	*----- 2005	*----- 2006	*----- 2007	*----- 2008	*----- 2009	*----- 2010
31-75	SAEZ (C. Vittor)	873								873
31-77	SAEZ (M. Moreno)	873								873
		0								
36-12	SMPM (R. Maharban)	1,014								
36-13	SMPM ( K. Goercharan)	1,014								
36-15	SUMU (M. Vera)	1,014								
36-16	SCEL (C. Vergara)	1,014								
36-17	SVMI (J. Castillo)	1,014								
36-18	SYGC (S. Hemchan)	1,014								
36-19	SLLP (H. Huaylla)	1,014								
36-20	SMPM (S. Radjie)	1,405								
36-21	SUMU (W. Pelayo)	1,413								
36-22	SKED (O. Alfonso Bravo)	1,416								
36-23	SVMI (O. Guillén)	1,416								
36-24	SEGU (V. Yépez)	1,416								
36-25	SEGU (L. Pazos)	1,416								
36-26	SYGC (R. Suresh)	1,416								
36-27	SYGC (M. Barrington)	1,416								
36-28	SCEL (E. Demanet)	1,416								
36-29	SLLP (R. Cusi)	1,416								
36-30	SGAS (V. Morán)	1,416								
	(M. Vera)	1,405								
	(R.Halliday)	1,416								
	(K.Goercharan)	1,405								
	(R.Canales)	1,405								
	(M.Maycock)	1,405								
	(A.Torres)	1,405								
	(A.Noguera)	1,405								
	(W.Davalos)	1,405								
	(R.Pesce)	1,405								
36-		0								
36-	To be determinated	190,000								
31-99	<b>Sub Total</b>	<b>388,642</b>			<b>18,611</b>	<b>28,277</b>	<b>33,238</b>	<b>32,852</b>	<b>25,488</b>	<b>24,858</b>
33	<b>Group training</b>									
33-01	Tuition fee MEMOTEC PO 50632	25,100			25,100					
33-02	Tuition fee VIASAT PO 50661	9,950			9,950					
33-03	Tuition fees COM courses	30,701								
33-97	Simultaneous interpretation	58,154								
33-98	Previous years adjustments	6,444				2,276	806		7,905	488
	Other charges	5,170							1,020	4,150
33-99	<b>Sub-total</b>	<b>135,519</b>			<b>35,050</b>	<b>2,276</b>	<b>806</b>	<b>0</b>	<b>8,925</b>	<b>4,638</b>
37	<b>Insurance</b>									
37-98	Professional liability insurance	3,215		3,014	201					
37-99	<b>Sub-total</b>	<b>3,215</b>		<b>3,014</b>	<b>201</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>39</b>	<b>Component total</b>	<b>527,376</b>		<b>3,014</b>	<b>53,862</b>	<b>30,553</b>	<b>34,044</b>	<b>32,852</b>	<b>34,413</b>	<b>29,496</b>

**APPENDIX B  
PROJECT BUDGET**

(in US dollars)

Country: Regional for South America  
Project: RLA/03/901/S  
Title: REDDIG Management System and Satellite Segment Administration

Starting date: 1 July 2003  
Termination date: 31 December 2018

	TOTAL	*----- 2003	*----- 2004	*----- 2005	*----- 2006	*----- 2007	*----- 2008	*----- 2009	*----- 2010
<b>40 EQUIPMENT</b>									
Reimbursement RLA/98/019 (Customs)	-12,752		-12,752						
45-01 Equipment + Spare parts	0								
SAM REDDIG Spare parts	205,947			45,930	17,750	6,889	17,957	102,072	8,218
REDDIG II Spare parts	105,000								
SAEZ	3,377						2,458	919	
SLLP	6,297					3,194	3,103	0	
SBRF-SBMN-SBCT	20,464			6,490	13,824	150			
SCEL	3,498			3,009	1,603	-1,494		380	
SKED	20,254				84	14,466	3,207	2,498	
SEGU	7,260			1,870	2,390	2,620		380	
SOCA	240							240	
SYGC	1,871					268	1,603	0	
SGAS	8,363				660	5,467	2,236		
SPIM	0								
SMPM	1,350					1,350			
TTZP	3,503						1,723	1,780	
SUMU	37,741					36,031	1,710		
SVMI	5,179			2,242		2,697		240	
<b>Sub Total</b>	<b>412,592</b>	<b>0</b>	<b>-12,752</b>	<b>59,541</b>	<b>36,311</b>	<b>71,637</b>	<b>33,997</b>	<b>108,509</b>	<b>8,218</b>
45-02 Equipment for the REDDIG Office	23,054	82			-30				351
Laptop REDDIG	3,965			1,829					
LINDY COMPU PO 50534 SBMN	254			254					
<b>Sub Total</b>	<b>27,273</b>	<b>82</b>	<b>0</b>	<b>2,083</b>	<b>-30</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>351</b>
45-03 Operation/maintenance of office equipment	15,401		1,716						1,676
PO 50522 VIASAT Modem SYGC repair	1,603			1,603					
CB LIMA	179			179					
45-04 Transfer of NCC from SPIM to SBMN									
P.O. 040694 VIASAT	8,250		8,250						
P.O. 040687 MEMOTEC	4,250		4,250						
45-05 Extension of contract SEEE (P.O. 40489)	50,000		50,000						
45-06 Backup network SEEE (P.O. 04090)	24,820		24,820						
45-07 Audit adjustment	0								
45-08 P.O. 40683 Modem SPIM repair	0								
45-09 MEVA-REDDIG interconnection equipment	9,439								
45-10 REDDIG II procurement	0								
SAEZ	265,410								
SLLP	265,410								
SBRF-SBMN-SBCT	796,231								
SCEL	265,410								
SKED	265,410								
SEGU	265,410								
SOCA	265,410								
SYGC	265,410								
SGAS	350,208								
SPIM	265,410								
SMPM	265,410								
TTZP	265,410								
SUMU	265,410								
SVMI	265,410								
45-98 Professional liability insurance	23,463		444	284	246		130	1,109	1,250

**APPENDIX B  
PROJECT BUDGET**

(in US dollars)

Country: Regional for South America  
Project: RLA/03/901/S  
Title: REDDIG Management System and Satellite Segment Administration

Starting date: 1 July 2003  
Termination date: 31 December 2018

		<b>TOTAL</b>	<b>*-----</b>	<b>2003</b>	<b>*-----</b>	<b>2004</b>	<b>*-----</b>	<b>2005</b>	<b>*-----</b>	<b>2006</b>	<b>*-----</b>	<b>2007</b>	<b>*-----</b>	<b>2008</b>	<b>*-----</b>	<b>2009</b>	<b>*-----</b>	<b>2010</b>
<b>45-99</b>	<b>Sub-Total</b>	<b>4,468,766</b>		<b>0</b>		<b>89,480</b>		<b>2,066</b>		<b>246</b>		<b>0</b>		<b>130</b>		<b>1,109</b>		<b>2,926</b>
<b>49</b>	<b>Component total</b>	<b>4,908,631</b>		<b>82</b>		<b>76,728</b>		<b>63,690</b>		<b>36,527</b>		<b>71,637</b>		<b>34,127</b>		<b>109,617</b>		<b>11,495</b>
<b>50</b>	<b>MISCELLANEOUS</b>																	
53-01	Sundry	140,460		643		4,726		4,475		1,150		8,688		4,632		3,703		14,253
53-02	UNDP charges for services and other	8,778				118		505		337						3,318		
<b>53-99</b>	<b>Sub-Total</b>	<b>149,238</b>		<b>643</b>		<b>4,844</b>		<b>4,980</b>		<b>1,487</b>		<b>8,688</b>		<b>4,632</b>		<b>7,021</b>		<b>14,253</b>
55	Administrative costs	1,167,000		6,439		28,795		35,817		37,372		34,601		39,503		55,621		33,357
<b>59</b>	<b>Component total</b>	<b>1,310,592</b>		<b>7,082</b>		<b>33,639</b>		<b>40,797</b>		<b>38,859</b>		<b>43,289</b>		<b>44,135</b>		<b>62,642</b>		<b>47,610</b>
<b>99</b>	<b>PROJECT TOTAL</b>	<b>17,191,016</b>		<b>96,108</b>		<b>399,341</b>		<b>534,381</b>		<b>517,027</b>		<b>612,343</b>		<b>567,187</b>		<b>444,309</b>		<b>1,091,093</b>
<b>100</b>	<b>COST SHARING</b>																	
101	Cost Sharing Governments																	
101-01	Argentina	1,394,744		50,329		34,231		36,123		46,800		65,423		77,660		85,559		0
101-02	Bolivia	999,747		0		22,090		45,632		56,421		0		54,595		52,460		48,039
101-03	Brasil	2,983,281		123,780		77,954		74,346		113,775		58,035		81,444		118,039		142,700
101-04	Chile	977,063		40,003		80,066		76,724		10,430		0		29,500		29,500		1,000
101-05	Colombia	1,153,745		24,269		0		162,094		0		0		150,000		7,441		0
101-06	Ecuador	1,005,937		40,903		19,559		21,151		29,100		19,000		40,865		51,589		35,000
101-07	Francia	950,012		33,941		12,112		20,910		26,400		25,000		45,795		51,371		24,092
101-08	Guyana	922,584		0		44,203		10,006		10,278		27,854		35,378		43,009		29,980
101-09	Paraguay	1,045,033		42,550		5,503		21,910		30,700		25,600		46,160		53,262		0
101-10	Perú	1,294,100		49,603		29,660		35,140		39,700		40,010		71,372		77,820		78,271
101-11	Suriname	945,030		0		41,693		18,505		0		0		28,670		18,330		0
101-12	Uruguay	1,066,448		47,478		16,166		28,854		27,985		77,156		52,871		39,729		29,970
101-13	Venezuela	1,314,250		44,203		15,790		27,220		45,800		38,700		71,774		81,664		88,967
101-14	Interests and adjustments	64,047		1,447		4,765		9,685		16,157		17,065		8,630		1,948		770
101-15	Trinidad and Tobago	845,452						40,110		5,274		15,500		37,787		48,776		29,980
101-16	COCESNA	229,544														0		0
<b>101-99</b>	<b>Sub-Total</b>	<b>17,191,016</b>		<b>498,506</b>		<b>403,792</b>		<b>628,410</b>		<b>458,820</b>		<b>409,343</b>		<b>832,501</b>		<b>760,497</b>		<b>508,769</b>
<b>109</b>	<b>Component total</b>	<b>17,191,016</b>		<b>498,506</b>		<b>403,792</b>		<b>628,410</b>		<b>458,820</b>		<b>409,343</b>		<b>832,501</b>		<b>760,497</b>		<b>508,769</b>

**PROJECT BUDGET**

(in US dollars)

Starting date: 1 July 2003

Termination date: 31 December 2018

Country: Regional for South America

Project: RLA/03/901/S

Title: REDDIG Management System and Satellite Segment Adm

	TOTAL	*----- M/H	2011 USD	*----- M/H	2012 USD	*----- M/H	2013 USD	*----- M/H	2014 USD	*----- M/H	2015 USD	*----- M/H	2016 USD	*----- M/H	2017 USD	*----- M/H	2018 USD
<b>10 PROJECT PERSONNEL</b>																	
<b>11 International Professionals</b>																	
11-01 Network Administrator	3,061,569	12.0	209,250	12.0	232,544	12.0	212,112	12.0	250,000	12.0	250,000	12.0	250,000	12.0	250,000	12.0	250,000
11-51 Institutional Aspects	0																
11-97 Consultants	89,396		9,200		0	3	0		17,000		17,000		17,000		17,000		17,000
<b>11-99 Sub-Total</b>	<b>3,150,965</b>		<b>218,450</b>		<b>232,544</b>		<b>212,112</b>		<b>267,000</b>		<b>267,000</b>		<b>267,000</b>		<b>267,000</b>		<b>267,000</b>
<b>13 ADMINISTRATIVE SUPPORT</b>																	
13-01 Bilingual secretary	273,804	6	19,086	6	19,443	6	17,183	6	27,000	6	27,000	6	27,000	6	27,000	6	27,000
13-02 REDDIG technician	24,819																
13-03 REDDIG technician 2	0																
13-04 Bilingual secretary (final)	7,516																
13-05 Administrative and financial assistant	109,009	4	10,670	4	12,831	4	15,508	4	14,000	4	14,000	4	14,000	4	14,000	4	14,000
13-06 Information technology clerk	31,709	4	8,931	4	107	3	11,425	3	11,246								
<b>13.99 Sub-Total</b>	<b>446,857</b>	<b>14</b>	<b>38,687</b>	<b>14</b>	<b>32,381</b>	<b>13</b>	<b>44,116</b>	<b>13</b>	<b>52,246</b>	<b>10</b>	<b>41,000</b>	<b>10</b>	<b>41,000</b>	<b>10</b>	<b>41,000</b>	<b>10</b>	<b>41,000</b>
<b>15 OFFICIAL TRAVEL</b>																	
15-01 Official travel	19,745				0		0		18,000								
<b>15-99 Sub-total</b>	<b>19,745</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>18,000</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>
<b>16 MISSIONS</b>																	
16-01 Mission costs	250,860		10,250		36,747		5,075		12,000		20,000		20,000		20,000		15,000
<b>16-99 Sub-total</b>	<b>250,860</b>		<b>10,250</b>		<b>36,747</b>		<b>5,075</b>		<b>12,000</b>		<b>20,000</b>		<b>20,000</b>		<b>20,000</b>		<b>15,000</b>
<b>17 NATIONAL PROFESSIONALS</b>																	
17-01 National Professionals	3,041		961														
<b>17-99 Sub-total</b>	<b>3,041</b>		<b>961</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>
<b>19 Component total</b>	<b>3,871,468</b>		<b>268,348</b>		<b>301,672</b>		<b>261,303</b>		<b>349,246</b>		<b>328,000</b>		<b>328,000</b>		<b>328,000</b>		<b>323,000</b>
<b>20 SUBCONTRACTS</b>																	
21-01 Rental of satellite segment (P.O. 40670)																	
P.O. 30473 (1 Oct 2003 to 31 Dec 2003)	62,727																
P.O. 40670 (1 Jan 2005 to 31 Dec 2008)	1,093,905																
Rental 2009-2011	693,792																
Rental 2012-2014	465,090				233,826		231,264										
Rental 2015-2018	1,289,080								539,080		250,000		250,000		250,000		250,000
21-02 Network Access	296,131		32,831		24,650		77,518		33,132		32,000		32,000		32,000		32,000
21-03 MEVA/REDDIG Recurrent Brazil	15,582								2,940		3,160		3,160		3,160		3,160
21-04 MEVA/REDDIG Recurrent Caracas	53,678								10,128		10,888		10,888		10,888		10,888
21-05 MEVA/REDDIG Recurrent Bogota	53,106								10,020		10,771		10,771		10,771		10,771
21-06 MEVA/REDDIG Recurrent Lima	15,582								2,940		3,160		3,160		3,160		3,160
21-07 MEVA/REDDIG Non Recurrent	99,684								22,000								
<b>TERRESTRIAL SERVICE-TOTAL</b>																	
Terrestrial service SAEZ	150,000								30,000		30,000		30,000		30,000		30,000
Terrestrial service SLLP	150,000								30,000		30,000		30,000		30,000		30,000







## PROJECT BUDGET

(in US dollars)

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		*-----	2011	*-----	2012	*-----	2013	*-----	2014	*-----	2015	*-----	2016	*-----	2017	*-----	2018
	TOTAL	M/H	USD	M/H	USD	M/H	USD	M/H	USD	M/H	USD	M/H	USD	M/H	USD	M/H	USD
31-75	SAEZ (C. Vittor)																
		873															
31-77	SAEZ (M. Moreno)																
		873															
		0															
36-12	SMPM (R. Maharban)		1,014														
36-13	SMPM ( K. Goercharan)		1,014														
36-15	SUMU (M. Vera)		1,014														
36-16	SCEL (C. Vergara)		1,014														
36-17	SVMI (J. Castillo)		1,014														
36-18	SYGC (S. Hemchan)		1,014														
36-19	SLLP (H. Huaylla)		1,014														
36-20	SMPM (S. Radjie)		1,405			1,405											
36-21	SUMU (W. Pelayo)		1,413			1,413											
36-22	SKED (O. Alfonso Bravo)		1,416			1,416											
36-23	SVMI (O. Guillén)		1,416			1,416											
36-24	SEGU (V. Yépez)		1,416			1,416											
36-25	SEGU (L. Pazos)		1,416			1,416											
36-26	SYGC (R. Suresh)		1,416			1,416											
36-27	SYGC (M. Barrington)		1,416			1,416											
36-28	SCEL (E. Demanet)		1,416			1,416											
36-29	SLLP (R. Cusi)		1,416			1,416											
36-30	SGAS (V. Morán)		1,416			1,416											
	(M. Vera)		1,405				1,405										
	(R.Halliday)		1,416				1,416										
	(K.Goercharan)		1,405				1,405										
	(R.Canales)		1,405				1,405										
	(M.Maycock)		1,405				1,405										
	(A.Torres)		1,405				1,405										
	(A.Noguera)		1,405				1,405										
	(W.Davalos)		1,405				1,405										
	(R.Pesce)		1,405				1,405										
36-		0															
36-	To be determinated	190,000							40,000		40,000		40,000		40,000		30,000
31-99	<b>Sub Total</b>	<b>388,642</b>		<b>7,101</b>		<b>15,562</b>		<b>12,656</b>	<b>40,000</b>		<b>40,000</b>		<b>40,000</b>		<b>40,000</b>		<b>30,000</b>
33	<b>Group training</b>																
33-01	Tuition fee MEMOTEC PO 50632	25,100															
33-02	Tuition fee VIASAT PO 50661	9,950															
33-03	Tuition fees COM courses	30,701			8,583		10,118		12,000								
33-97	Simultaneous interpretation	58,154		3,060	9,446		15,648		6,000		6,000		6,000		6,000		6,000
33-98	Previous years adjustments	6,444		-5,031													
	Other charges	5,170															
33-99	<b>Sub-total</b>	<b>135,519</b>		<b>-1,971</b>		<b>18,029</b>		<b>25,766</b>	<b>18,000</b>		<b>6,000</b>		<b>6,000</b>		<b>6,000</b>		<b>6,000</b>
37	<b>Insurance</b>																
37-98	Professional liability insurance	3,215															
37-99	<b>Sub-total</b>	<b>3,215</b>		<b>0</b>		<b>0</b>		<b>0</b>	<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>
39	<b>Component total</b>	<b>527,376</b>		<b>5,130</b>		<b>33,591</b>		<b>38,422</b>	<b>58,000</b>		<b>46,000</b>		<b>46,000</b>		<b>46,000</b>		<b>36,000</b>

**PROJECT BUDGET**

(in US dollars)

Starting date: 1 July 2003

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Title: REDDIG Management System and Satellite Segment Adm

		*-----	2011	*-----	2012	*-----	2013	*-----	2014	*-----	2015	*-----	2016	*-----	2017	*-----	2018
	TOTAL	M/H	USD	M/H	USD	M/H	USD	M/H	USD	M/H	USD	M/H	USD	M/H	USD	M/H	USD
<b>40</b>	<b>EQUIPMENT</b>																
	Reimbursement RLA/98/019 (Customs)		-12,752														
45-01	Equipment + Spare parts		0														
	SAM REDDIG Spare parts		205,947		2,896		635		3,600								
	REDDIG II Spare parts		105,000										30,000		40,000		35,000
	SAEZ		3,377														
	SLLP		6,297														
	SBRF-SBMN-SBCT		20,464														
	SCEL		3,498														
	SKED		20,254														
	SEGU		7,260														
	SOCA		240														
	SYGC		1,871														
	SGAS		8,363														
	SPIM		0														
	SMPM		1,350														
	TTZP		3,503														
	SUMU		37,741														
	SVMI		5,179														
	<b>Sub Total</b>		<b>412,592</b>		<b>2,896</b>		<b>635</b>		<b>3,600</b>		<b>0</b>		<b>0</b>		<b>30,000</b>		<b>35,000</b>
45-02	Equipment for the REDDIG Office		23,054		1,266		757		3,128		3,500		3,500		3,500		3,500
	Laptop REDDIG		3,965		2,136												
	LINDY COMPU PO 50534 SBMN		254														
	<b>Sub Total</b>		<b>27,273</b>		<b>3,402</b>		<b>757</b>		<b>3,128</b>		<b>3,500</b>		<b>3,500</b>		<b>3,500</b>		<b>3,500</b>
45-03	Operation/maintenance of office equipment		15,401		2,009				0		2,000		2,000		2,000		2,000
	PO 50522 VIASAT Modem SYGC repair		1,603														
	CB LIMA		179														
45-04	Transfer of NCC from SPIM to SBMN																
	P.O. 040694 VIASAT		8,250														
	P.O. 040687 MEMOTEC		4,250														
45-05	Extension of contract SEEE (P.O. 40489)		50,000														
45-06	Backup network SEEE (P.O. 04090)		24,820														
45-07	Audit adjustment		0														
45-08	P.O. 40683 Modem SPIM repair		0														
45-09	MEVA-REDDIG interconnection equipment		9,439		9,439												
45-10	REDDIG II procurement		0														
	SAEZ		265,410						19,188		246,222						
	SLLP		265,410						19,188		246,222						
	SBRF-SBMN-SBCT		796,231						57,563		738,667						
	SCEL		265,410						19,188		246,222						
	SKED		265,410						19,188		246,222						
	SEGU		265,410						19,188		246,222						
	SOCA		265,410						19,188		246,222						
	SYGC		265,410						19,188		246,222						
	SGAS		350,208						19,188		331,020						
	SPIM		265,410						19,188		246,222						
	SMPM		265,410						19,188		246,222						
	TTZP		265,410						19,188		246,222						
	SUMU		265,410						19,188		246,222						
	SVMI		265,410						19,188		246,222						
45-98	Professional liability insurance		23,463				0				20,000						

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		*-----	2011	*-----	2012	*-----	2013	*-----	2014	*-----	2015	*-----	2016	*-----	2017	*-----	2018
	<b>TOTAL</b>	<b>M/H</b>	<b>USD</b>	<b>M/H</b>	<b>USD</b>	<b>M/H</b>	<b>USD</b>	<b>M/H</b>	<b>USD</b>	<b>M/H</b>	<b>USD</b>	<b>M/H</b>	<b>USD</b>	<b>M/H</b>	<b>USD</b>	<b>M/H</b>	<b>USD</b>
<b>45-99</b>	<b>Sub-Total</b>		<b>4,468,766</b>		<b>11,448</b>	<b>0</b>	<b>307,004</b>		<b>4,046,357</b>		<b>2,000</b>		<b>2,000</b>		<b>2,000</b>		<b>2,000</b>
<b>49</b>	<b>Component total</b>		<b>4,908,631</b>		<b>17,746</b>	<b>1,392</b>	<b>313,732</b>		<b>4,049,857</b>		<b>5,500</b>		<b>35,500</b>		<b>40,500</b>		<b>40,500</b>
<b>50</b>	<b>MISCELLANEOUS</b>																
53-01	Sundry		140,460		13,351	11,518	8,340		12,000		12,000		12,000		12,000		16,981
53-02	UNDP charges for services and other		8,778				0		900		900		900		900		900
<b>53-99</b>	<b>Sub-Total</b>		<b>149,238</b>		<b>13,351</b>	<b>11,518</b>	<b>8,340</b>		<b>12,900</b>		<b>12,900</b>		<b>12,900</b>		<b>12,900</b>		<b>17,881</b>
55	Administrative costs		1,167,000		36,539	157,229	143,555		275,515		108,560		59,240		60,240		54,618
<b>59</b>	<b>Component total</b>		<b>1,310,592</b>		<b>49,890</b>	<b>168,747</b>	<b>151,895</b>		<b>288,415</b>		<b>121,460</b>		<b>72,140</b>		<b>73,140</b>		<b>66,853</b>
<b>99</b>	<b>PROJECT TOTAL</b>		<b>17,191,016</b>		<b>373,945</b>	<b>763,878</b>	<b>1,074,134</b>		<b>5,850,757</b>		<b>1,295,940</b>		<b>1,276,620</b>		<b>1,282,620</b>		<b>1,011,333</b>
<b>100</b>	<b>COST SHARING</b>																
101	Cost Sharing Governments																
101-01	Argentina		1,394,744		167,402	0	487,152		73,193		67,718		67,718		67,718		67,718
101-02	Bolivia		999,747		43,924	43,105	355,853		63,265		53,591		53,591		53,591		53,591
101-03	Brasil		2,983,281		148,003	993,893	235,239		147,186		167,222		167,222		167,222		167,222
101-04	Chile		977,063		45,000	44,791	354,930		51,350		53,442		53,442		53,442		53,442
101-05	Colombia		1,153,745		67,201	412,394	0		73,166		64,295		64,295		64,295		64,295
101-06	Ecuador		1,005,937		35,000	328,951	63,882		63,882		64,264		64,264		64,264		64,264
101-07	Francia		950,012		42,178	323,572	63,066		62,981		54,649		54,649		54,649		54,649
101-08	Guyana		922,584		63,148	328,347	21,696		55,842		63,211		63,211		63,211		63,211
101-09	Paraguay		1,045,033		87,148	41,848	430,847		64,376		48,782		48,782		48,782		48,782
101-10	Perú		1,294,100		77,000	349,287	76,474		76,474		73,322		73,322		73,322		73,322
101-11	Suriname		945,030		111,164	311,215	0		159,685		63,942		63,942		63,942		63,942
101-12	Uruguay		1,066,448		29,971	333,134	66,952		63,551		63,158		63,158		63,158		63,158
101-13	Venezuela		1,314,250		80,000	87,033	382,230		70,620		70,062		70,062		70,062		70,062
101-14	Interests and adjustments		64,047		847	1,522	1,211		0		0		0		0		0
101-15	Trinidad and Tobago		845,452		0	318,528	91,605		47,746		52,537		52,537		52,537		52,537
101-16	COCESNA		229,544		65,145	19,178	19,178		49,271		19,193		19,193		19,193		19,193
<b>101-99</b>	<b>Sub-Total</b>		<b>17,191,016</b>		<b>1,063,131</b>	<b>3,936,798</b>	<b>2,650,315</b>		<b>1,122,588</b>		<b>979,387</b>		<b>979,387</b>		<b>979,387</b>		<b>979,387</b>
<b>109</b>	<b>Component total</b>		<b>17,191,016</b>		<b>1,063,131</b>	<b>3,936,798</b>	<b>2,650,315</b>		<b>1,122,588</b>		<b>979,387</b>		<b>979,387</b>		<b>979,387</b>		<b>979,387</b>

**PAYMENT SCHEDULE**  
(in US dollars)

Country: Regional for South America  
Project: RLA/03/901/R  
Title: REDDIG Management System and Satellite Segment Administration

100.- **COST SHARING**

101	States	Contributions		Deposits		Pending balance
		Date	Amount	Date	Amount	
101-01	Argentina	01-Jul-03	50,363	08.07.2003	50,329	34
		01-Jul-04	30,100	07.06.2004	21,180	8,954
				25.06.2004	10,298	-1,344
				30.11.2004	2,753	-4,097
		01-Jul-05	37,800	12.07.2005	2,453	31,250
				12.07.2005	33,670	-2,420
		01-Jul-06	44,800	16.05.2006	46,800	-4,420
		01-Jul-07	66,700	15.03.2007	65,423	-3,143
		01-Jul-08	80,000	01.04.2008	41,541	35,316
				02.09.2008	36,119	-803
		01-Jul-09	85,063	23.03.2009	76,857	7,403
				01.06.2009	8,702	-1,299
		01-Jul-10	86,201		0	84,902
		01-Jul-11	82,500	09.11.2011	82,500	84,902
				17.11.2011	84,902	0
		01-Jul-12	81,968			81,968
		REDDIG II	281,250	11.03.2013	281,230	81,988
		01-Jul-13	123,934	06.09.2013	205,922	<b>0</b>
		01-Jul-14	73,193			
		01-Jul-15	67,718			
01-Jul-16	67,718					
01-Jul-17	67,718					
01-Jul-18	67,718		0			
			<b>1,394,744</b>	<b>1,050,679</b>	<b>344,065</b>	
101-02	Bolivia	01-Jul-03	39,563		0	39,563
		01-Jul-04	22,100	06.10.2004	22,090	39,573
		01-Jul-05	28,900	30.06.2005	11,401	57,073
				10.08.2005	11,411	45,662
				28.11.2005	11,411	34,252
				09.12.2005	11,411	22,841
		01-Jul-06	33,600	21.06.2006	22,821	33,620
				29.12.2006	33,600	20
		01-Jul-07	10,900			10,920
		01-Jul-08	43,675	16.06.2008	10,920	43,675
				29.12.2008	43,675	0
		01-Jul-09	52,460	09.12.2009	52,460	0
		01-Jul-10	48,039	27.07.2010	48,039	0
		01-Jul-11	43,924	19.04.2011	43,924	<b>0</b>
		01-Jul-12	43,105	17.04.2012	43,105	<b>0</b>
		REDDIG II	281,250	09.04.2013	281,240	<b>10</b>
		01-Jul-13	74,603	01.11.2013	62,820	<b>11,793</b>
01-Jul-14	63,265					
01-Jul-15	53,591					
01-Jul-16	53,591					
01-Jul-17	53,591					

101	States	Contributions		Deposits		Pending balance
		Date	Amount	Date	Amount	
		01-Jul-18	53,591		0	
			<b>999,747</b>		<b>710,326</b>	<b>289,421</b>
101-03	Brasil	01-Jul-03	123,790	11.06.2003	123,780	10
		01-Jul-04	72,900	24.03.2004	5,064	67,846
				30.06.2004	72,890	-5,044
		01-Jul-05	79,400	28.07.2005	74,346	10
		01-Jul-06	111,000	06.12.2006	113,775	-2,765
		01-Jul-07	60,800	16.08.2007	58,035	0
		01-Jul-08	81,444	18.06.2008	81,444	0
		01-Jul-09	118,154	24.04.2009	118,039	115
		01-Jul-10	137,644	07.06.2010	142,700	-4,941
		01-Jul-11	148,003	30.06.2011	148,003	-4,941
		01-Jul-12	150,143	19.06.2012	150,143	-4,941
		REDDIG II	843,750	09.07.2012	843,750	<b>-4,941</b>
		01-Jul-13	193,683	31.07.2013	235,239	<b>-46,497</b>
		01-Jul-14	193,683			
		01-Jul-15	167,222			
		01-Jul-16	167,222			
		01-Jul-17	167,222			
		01-Jul-18	167,222		0	
			<b>2,983,281</b>		<b>2,167,208</b>	<b>816,073</b>
101-04	Chile	01-Jul-03	40,013	17.06.2003	40,003	10
		01-Jul-04	35,100	06.07.2004	48,140	-13,030
				26.08.2004	30,990	-44,020
				30.11.2004	936	-44,956
		01-Jul-05	36,400	10.06.2005	26,734	-35,290
				29.06.2005	49,990	-85,280
		01-Jul-06	67,000	22.09.2006	10,430	-28,710
		01-Jul-07	28,710		0	0
		01-Jul-08	29,500	05.07.2008	29,500	0
		01-Jul-09	29,500	22.05.2009	29,500	0
		01-Jul-10	1,000	13.05.2010	1,000	0
		01-Jul-11	45,000	30.06.2011	45,000	0
		01-Jul-12	44,791	30.04.2012	44,791	0
		REDDIG II	281,250			281,250
		01-Jul-13	65,669	24.04.2013	38,000	308,919
				11.10.2013	308,919	0
		01-Jul-14	59,361	17.12.2013	8,011	<b>51,350</b>
		01-Jul-15	53,442			
		01-Jul-16	53,442			
		01-Jul-17	53,442			
		01-Jul-18	53,442		0	
			<b>977,063</b>		<b>711,944</b>	<b>265,119</b>
101-05	Colombia	01-Jul-03	24,269	09.10.2003	24,269	0
		01-Jul-04	0		0	0
		01-Jul-05	162,094	22.12.2005	162,094	0
		01-Jul-06	0		0	0
		01-Jul-07	150,000			150,000
		01-Jul-08	0	30.01.2008	150,000	0
		01-Jul-09	7,441	21.07.2009	7,441	0
		01-Jul-10	0		0	0
		01-Jul-11	67,201	05.05.2011	67,201	0
		01-Jul-12	65,572	04.01.2012	52,035	13,537
		REDDIG II	281,250	13.07.2012	360,359	-65,572

101	States	Contributions		Deposits		Pending balance
		Date	Amount	Date	Amount	
		01-Jul-13	65,572			0
		01-Jul-14	73,166			
		01-Jul-15	64,295			
		01-Jul-16	64,295			
		01-Jul-17	64,295			
		01-Jul-18	64,295			
			<b>1,153,745</b>		<b>823,399</b>	<b>330,346</b>
101-06	Ecuador	01-Jul-03	40,913	08.07.2003	40,903	10
		01-Jul-04	15,200	01.06.2004	19,559	-4,349
		01-Jul-05	25,500	23.08.2005	21,151	0
		01-Jul-06	29,100	06.07.2006	29,100	0
		01-Jul-07	19,000	10.08.2007	19,000	0
		01-Jul-08	40,865	07.08.2008	40,865	0
		01-Jul-09	51,589	22.06.2009	51,589	0
		01-Jul-10	35,000	07.07.2010	35,000	0
		01-Jul-11	35,000	29.07.2011	35,000	0
		01-Jul-12	47,701	05.07.2012	47,701	0
		REDDIG II	281,250	09.07.2012	281,250	0
		01-Jul-13	63,882	07.03.2013	65,598	-1,716
		01-Jul-14	63,882			
		01-Jul-15	64,264			
		01-Jul-16	64,264			
		01-Jul-17	64,264			
		01-Jul-18	64,264		0	
			<b>1,005,937</b>		<b>686,716</b>	<b>319,221</b>
101-07	Francia	01-Jul-03	34,763	05.11.2003	33,941	822
		01-Jul-04	11,300	02.11.2004	12,112	10
		01-Jul-05	20,910	01.08.2005	20,910	10
		01-Jul-06	26,400	17.07.2006	26,400	10
		01-Jul-07	25,000	20.12.2007	25,000	10
		01-Jul-08	45,795	11.12.2008	45,795	10
		01-Jul-09	51,371	06.07.2009	51,371	10
		01-Jul-10	24,092	16.06.2010	24,092	10
		01-Jul-11	42,203	20.12.2011	42,178	35
		01-Jul-12	42,372	10.12.2012	42,347	60
		REDDIG II	281,250	06.12.2012	281,225	85
		01-Jul-13	62,981		0	63,066
		01-Jul-14	62,981			
		01-Jul-15	54,649			
		01-Jul-16	54,649			
		01-Jul-17	54,649			
		01-Jul-18	54,649		0	
			<b>950,012</b>		<b>605,371</b>	<b>344,641</b>
101-08	Guyana	01-Jul-03	34,313		0	34,313
		01-Jul-04	9,900	29.07.2004	44,203	10
		01-Jul-05	19,900	06.12.2005	10,006	9,904
		01-Jul-06	22,900	17.07.2006	10,278	22,526
		01-Jul-07	15,000	26.07.2007	12,480	25,046
				28.12.2007	15,374	9,672
		01-Jul-08	35,935	25.03.2008	18,335	27,272
				07.11.2008	17,043	10,229
		01-Jul-09	43,009	12.06.2009	29,119	24,119
		01-Jul-10	30,000	31.12.2009	13,890	40,229
				29.06.2010	29,980	10,249
		01-Jul-11	30,000	27.06.2011	30,000	10,249

101	States	Contributions		Deposits		Pending balance
		Date	Amount	Date	Amount	
				30.12.2011	33,148	-22,899
		01-Jul-12	33,148	17.12.2012	47,097	-36,848
		REDDIG II	281,250	28.12.2012	281,250	-36,848
		01-Jul-13	57,193	16.01.2013	10,249	10,096
				24.12.2013	11,447	-1,351
		01-Jul-14	57,193			
		01-Jul-15	63,211			
		01-Jul-16	63,211			
		01-Jul-17	63,211			
		01-Jul-18	63,211		0	
			<b>922,584</b>		<b>613,899</b>	<b>308,684</b>
101-09	Paraguay	01-Jul-03	35,363	06.10.2003	42,550	-7,187
		01-Jul-04	12,700	07.06.2004	5,503	10
		01-Jul-05	21,900	12.07.2005	18,700	3,210
				12.12.2005	3,210	0
		01-Jul-06	30,700	17.05.2006	30,700	0
		01-Jul-07	25,600	13.09.2007	25,600	0
		01-Jul-08	46,160	25.07.2008	46,160	0
		01-Jul-09	53,262	29.07.2009	53,262	0
		01-Jul-10	47,056		0	47,056
		01-Jul-11	40,162	24.01.2011	47,021	40,197
				02.11.2011	40,127	70
		01-Jul-12	41,848	18.12.2012	41,848	70
		REDDIG II	281,250	27.03.2013	281,200	120
		01-Jul-13	153,341	15.04.2013	64,899	88,562
					84,748	<b>3,814</b>
		01-Jul-14	60,562			
		01-Jul-15	48,782			
		01-Jul-16	48,782			
		01-Jul-17	48,782			
		01-Jul-18	48,782		0	
			<b>1,045,033</b>		<b>785,528</b>	<b>259,505</b>
101-10	Perú	01-Jul-03	49,613	21.11.2003	49,603	10
		01-Jul-04	28,300	23.07.2004	28,290	20
				30.11.2004	1,370	-1,350
		01-Jul-05	36,500	23.06.2005	35,140	10
		01-Jul-06	39,700	27.06.2006	39,700	10
		01-Jul-07	40,000	27.05.2007	40,010	0
		01-Jul-08	71,372	07.07.2008	71,372	0
		01-Jul-09	77,820	10.07.2009	77,820	0
		01-Jul-10	78,271		0	78,271
		01-Jul-11	77,000	07.02.2010	78,271	77,000
				18.08.2011	77,000	0
		01-Jul-12	68,037	18.05.2012	68,037	0
		REDDIG II	281,250	28.08.2012	281,250	0
		01-Jul-13	76,474	12.09.2013	76,474	0
		01-Jul-14	76,474			
		01-Jul-15	73,322			
		01-Jul-16	73,322			
		01-Jul-17	73,322			
		01-Jul-18	73,322		0	
			<b>1,294,100</b>		<b>924,337</b>	<b>369,763</b>
101-11	Suriname	01-Jul-03	34,313		0	34,313
		01-Jul-04	7,400	11.06.2004	34,303	7,410
				07.07.2004	7,390	20
		01-Jul-05	18,500	30.08.2005	18,505	15
		01-Jul-06	28,700		0	28,715
		01-Jul-07	18,300		0	47,015
		01-Jul-08	36,412	15.02.2008	14,335	69,092

101	States	Contributions		Deposits		Pending balance
		Date	Amount	Date	Amount	
				03.03.2008	14,335	54,757
		01-Jul-09	44,752	20.10.2009	18,330	81,179
		01-Jul-10	30,000		0	111,179
		01-Jul-11	30,000	24.01.2011	111,164	30,015
		01-Jul-12	37,211	17.08.2012	29,983	37,244
		REDDIG II	281,250	19.07.2013	281,233	37,261
		01-Jul-13	62,017		0	99,278
		01-Jul-14	60,407			
		01-Jul-15	63,942			
		01-Jul-16	63,942			
		01-Jul-17	63,942			
		01-Jul-18	63,942		0	
			<b>945,030</b>		<b>529,577</b>	<b>415,453</b>
101-12	Uruguay	01-Jul-03	47,513	30.07.2003	47,478	35
		01-Jul-04	16,200	17.09.2004	16,166	69
		01-Jul-05	28,800	08.07.2005	28,854	15
		01-Jul-06	28,000	14.07.2006	27,985	30
		01-Jul-07	77,171	18.07.2007	22,985	54,216
				24.09.2007	54,171	45
		01-Jul-08	64,003	07.08.2008	52,871	11,177
		01-Jul-09	39,759	24.07.2009	39,729	11,207
		01-Jul-10	30,000	03.08.2010	29,970	11,237
		01-Jul-11	30,000	18.07.2011	29,971	11,266
		01-Jul-12	44,019	29.08.2012	40,671	14,614
		REDDIG II	281,250	14.06.2012	281,221	14,643
				23.11.2012	11,242	3,401
		01-Jul-13	63,551	24.09.2013	66,541	411
		01-Jul-14	63,551			
		01-Jul-15	63,158			
		01-Jul-16	63,158			
		01-Jul-17	63,158			
		01-Jul-18	63,158		0	
			<b>1,066,448</b>		<b>749,855</b>	<b>316,592</b>
101-13	Venezuela	01-Jul-03	44,213	22.07.2003	44,203	10
		01-Jul-04	15,800	23.06.2004	15,790	20
		01-Jul-05	27,200	18.03.2005	27,220	0
		01-Jul-06	45,800	24.04.2006	45,800	0
		01-Jul-07	38,700	09.08.2007	38,700	0
		01-Jul-08	71,774	03.12.2008	71,774	0
		01-Jul-09	81,664	09.11.2009	81,664	0
		01-Jul-10	88,967	07.06.2010	88,967	0
		01-Jul-11	80,000	04.10.2011	80,000	0
		01-Jul-12	87,033	21.08.2012	87,033	0
		REDDIG II	281,250	14.03.2013	281,250	0
		01-Jul-13	85,800	25.02.2013	100,980	-15,180
		01-Jul-14	85,800			
		01-Jul-15	70,062			
		01-Jul-16	70,062			
		01-Jul-17	70,062			
		01-Jul-18	70,062		0	
			<b>1,314,250</b>		<b>963,381</b>	<b>350,869</b>

101	States	Contributions		Deposits		Pending balance		
		Date	Amount	Date	Amount			
101-15	Trinidad y Tabago	01-Jul-05	22,700	12.08.2005	40,110	-17,410		
		01-Jul-06	22,700	13.09.2006	5,274	16		
		01-Jul-07	15,500	30.08.2007	15,500	16		
		01-Jul-08	37,791	24.11.2008	37,787	20		
		01-Jul-09	48,776	16.07.2009	48,776	20		
		01-Jul-10	30,000	28.05.2010	29,980	40		
		01-Jul-11	30,000			30,040		
		01-Jul-12	37,321	16.03.2012	37,301	30,060		
		REDDIG II	281,250	02.11.2012	281,227	<b>30,083</b>		
		01-Jul-13	45,913	04.04.2013	91,605	<b>-15,609</b>		
		01-Jul-14	63,355		0			
		01-Jul-15	52,537					
		01-Jul-16	52,537					
		01-Jul-17	52,537					
		01-Jul-18	52,537					
				<b>845,452</b>		<b>587,560</b>	<b>257,892</b>	
		101-16	COCESNA	01-Jul-09	0		0	0
				01-Jul-10	46,000		0	46,000
01-Jul-11	19,193			27.09.11	19,175	46,018		
				18.11.11	45,970	48		
01-Jul-12	19,193			06.09.2012	19,178	63		
01-Jul-13	19,193			20.02.2013	19,178	78		
Interconexión REDDIG II	01-Jul-14			49,193				
	01-Jul-15			19,193				
	01-Jul-16			19,193				
	01-Jul-17			19,193				
01-Jul-18	19,193		0					
		<b>229,544</b>		<b>103,501</b>	<b>126,043</b>			
101-99	Sub Total		<b>17,126,969</b>		<b>12,013,282</b>	<b>5,113,687</b>		
102	Other	Otros		Situación				
		Fecha	Monto	Fecha	Depositado	Pendiente		
102-01	Interest	31-Dec-03	1,447		1,447			
		31-Dec-04	4,765		4,765			
		31-Dec-05	9,685		9,685			
		31-Dec-06	16,157		16,157			
		31-Dec-07	17,065		17,065			
		31-Dec-08	8,630		8,630			
		31-Dec-09	1,948		1,948			
		31-Dec-10	770		770			
		31-Dec-11	847		847			
		31-Dec-12	1,522		1,522			
		31-Dec-13	1,211		1,211			
		31-Dec-14	0		0			
		31-Dec-15	0		0			
		31-Dec-16	0		0			
		31-Dec-17	0		0			
		31-Dec-18	0		0			
				<b>64,047</b>		<b>64,047</b>		
102-02	Other	31-Dec-09	0		0			
		31-Dec-10	0		0			
		31-Dec-11	0		0			
		31-Dec-12	0		0			
		31-Dec-13	0		0			
		31-Dec-14	0		0			
		<b>0</b>		<b>0</b>				
102-99	Sub Total		<b>64,047</b>		<b>64,047</b>	<b>0</b>		
109	TOTAL		<b>17,191,016</b>		<b>12,077,329</b>	<b>5,113,687</b>		

## REGISTRY OF PAYMENTS OF COST-SHARING CONTRIBUTIONS

Country: Regional for South America  
 Project: RLA/03/901/S  
 Title: REDDIG Management System and Satellite Segment Administration

STATE	2003		2004		2005		2006		2007		2008		2009		2010		2011	
	Contrib. Due	Contrib. Received	Contrib. Due	Contrib. Received	Contrib. Due	Contrib. Received	Contrib. Due	Contrib. Received	Contrib. Due	Contrib. Received	Contrib. Due	Contrib. Received	Contrib. Due	Contrib. Received	Contrib. Due	Contrib. Received	Contrib. Due	Contrib. Received
Dates	01-Jul-03		01-Jul-04		01-Jul-05		01-Jul-06		01-Jul-07		01-Jul-08		01-Jul-09		01-Jul-10		01-Jul-11	
ARG	50,363	<b>50,329</b>	30,100	<b>34,231</b>	37,800	<b>36,123</b>	44,800	<b>46,800</b>	66,700	<b>65,423</b>	80,000	<b>77,660</b>	85,063	<b>85,559</b>	86,201	<b>0</b>	82,500	<b>167,402</b>
BOL	39,563	<b>0</b>	22,100	<b>22,090</b>	28,900	<b>45,632</b>	33,600	<b>56,421</b>	10,900	<b>0</b>	43,675	<b>54,595</b>	52,460	<b>52,460</b>	48,039	<b>48,039</b>	43,924	<b>43,924</b>
BRA	123,790	<b>123,780</b>	72,900	<b>77,954</b>	79,400	<b>74,346</b>	111,000	<b>113,775</b>	60,800	<b>58,035</b>	81,444	<b>81,444</b>	118,154	<b>118,039</b>	137,644	<b>142,700</b>	148,003	<b>148,003</b>
CHI	40,013	<b>40,003</b>	35,100	<b>80,066</b>	36,400	<b>76,724</b>	67,000	<b>10,430</b>	28,710	<b>0</b>	29,500	<b>29,500</b>	29,500	<b>29,500</b>	1,000	<b>1,000</b>	45,000	<b>45,000</b>
COL	24,269	<b>24,269</b>	0	<b>0</b>	162,094	<b>162,094</b>	0	<b>0</b>	150,000	<b>0</b>	0	<b>150,000</b>	7,441	<b>7,441</b>	0	<b>0</b>	67,201	<b>67,201</b>
ECU	40,913	<b>40,903</b>	15,200	<b>19,559</b>	25,500	<b>21,151</b>	29,100	<b>29,100</b>	19,000	<b>19,000</b>	40,865	<b>40,865</b>	51,589	<b>51,589</b>	35,000	<b>35,000</b>	35,000	<b>35,000</b>
FRA	34,763	<b>33,941</b>	11,300	<b>12,112</b>	20,910	<b>20,910</b>	26,400	<b>26,400</b>	25,000	<b>25,000</b>	45,795	<b>45,795</b>	51,371	<b>51,371</b>	24,092	<b>24,092</b>	42,203	<b>42,178</b>
GUY	34,313	<b>0</b>	9,900	<b>44,203</b>	19,900	<b>10,006</b>	22,900	<b>10,278</b>	15,000	<b>27,854</b>	35,935	<b>35,378</b>	43,009	<b>43,009</b>	30,000	<b>29,980</b>	30,000	<b>63,148</b>
PAR	35,363	<b>42,550</b>	12,700	<b>5,503</b>	21,900	<b>21,910</b>	30,700	<b>30,700</b>	25,600	<b>25,600</b>	46,160	<b>46,160</b>	53,262	<b>53,262</b>	47,056	<b>0</b>	40,162	<b>87,148</b>
PER	0	<b>0</b>	49,613	<b>77,893</b>	0	<b>1,370</b>	36,500	<b>35,140</b>	39,700	<b>39,700</b>	40,000	<b>40,010</b>	71,372	<b>71,372</b>	77,820	<b>0</b>	78,271	<b>78,271</b>
SUR	0	<b>0</b>	34,313	<b>34,303</b>	0	<b>7,390</b>	18,500	<b>18,505</b>	28,700	<b>0</b>	18,300	<b>14,335</b>	0	<b>14,335</b>	44,752	<b>18,330</b>	30,000	<b>0</b>
TRI					0	<b>0</b>	22,700	<b>40,110</b>	22,700	<b>5,274</b>	15,500	<b>15,500</b>	37,791	<b>37,787</b>	48,776	<b>48,776</b>	30,000	<b>29,980</b>
URU	0	<b>0</b>	47,513	<b>47,478</b>	16,200	<b>16,166</b>	28,800	<b>28,854</b>	28,000	<b>50,970</b>	0	<b>54,171</b>	64,003	<b>52,871</b>	39,759	<b>39,729</b>	30,000	<b>29,970</b>
VEN	0	<b>0</b>	44,213	<b>44,203</b>	15,800	<b>15,790</b>	27,200	<b>27,220</b>	45,800	<b>45,800</b>	38,700	<b>38,700</b>	71,774	<b>71,774</b>	81,664	<b>81,664</b>	88,967	<b>88,967</b>
COCESNA													0	<b>0</b>	46,000	<b>0</b>	46,000	<b>19,175</b>
Sub-totals	423,350	<b>355,775</b>	384,952	<b>499,595</b>	464,804	<b>509,612</b>	499,200	<b>473,733</b>	566,610	<b>362,656</b>	515,874	<b>724,113</b>	736,789	<b>740,369</b>	747,803	<b>469,310</b>	837,231	<b>945,367</b>
Interest	0	<b>0</b>	1,447	<b>1,447</b>	4,765	<b>4,765</b>	9,685	<b>9,685</b>	16,157	<b>16,157</b>	17,065	<b>17,065</b>	8,630	<b>8,630</b>	1,948	<b>1,948</b>	770	<b>770</b>
Totals	423,350	<b>355,775</b>	386,399	<b>501,042</b>	469,569	<b>514,377</b>	508,885	<b>483,418</b>	582,767	<b>378,813</b>	532,939	<b>741,178</b>	745,419	<b>748,999</b>	749,751	<b>471,258</b>	838,001	<b>946,137</b>

Country:  
Project:  
Title:

STATE	2012		2013		2014		2015		2016		2017		2018		Total		Contrib. Pending
	Contrib. Due	Contrib. Received	Contrib. Due	Contrib. Received	Contrib. Due	Contrib. Received	Contrib. Due	Contrib. Received	Contrib. Due	Contrib. Received	Contrib. Due	Contrib. Received	Contrib. Due	Contrib. Received	Contrib. Due	Contrib. Received	
Dates	01-Jul-12		01-Jul-13		01-Jul-14		01-Jul-15		01-Jul-16		01-Jul-17		01-Jul-18				
ARG	363,218	<b>281,230</b>	123,934	<b>205,922</b>	73,193	<b>0</b>	67,718	<b>0</b>	67,718	<b>0</b>	67,718	<b>0</b>	67,718	<b>0</b>	1,394,744	<b>1,050,679</b>	344,065
BOL	324,355	<b>324,345</b>	74,603	<b>62,820</b>	63,265	<b>0</b>	53,591	<b>0</b>	53,591	<b>0</b>	53,591	<b>0</b>	53,591	<b>0</b>	999,747	<b>710,326</b>	289,421
BRA	993,893	<b>993,893</b>	193,683	<b>235,239</b>	193,683	<b>0</b>	167,222	<b>0</b>	167,222	<b>0</b>	167,222	<b>0</b>	167,222	<b>0</b>	2,983,281	<b>2,167,208</b>	816,073
CHI	326,041	<b>44,791</b>	65,669	<b>346,919</b>	59,361	<b>8,011</b>	53,442	<b>0</b>	53,442	<b>0</b>	53,442	<b>0</b>	53,442	<b>0</b>	977,063	<b>711,944</b>	265,119
COL	346,822	<b>412,394</b>	65,572	<b>0</b>	73,166	<b>0</b>	64,295	<b>0</b>	64,295	<b>0</b>	64,295	<b>0</b>	64,295	<b>0</b>	1,153,745	<b>823,399</b>	330,346
ECU	328,951	<b>328,951</b>	63,882	<b>65,598</b>	63,882	<b>0</b>	64,264	<b>0</b>	64,264	<b>0</b>	64,264	<b>0</b>	64,264	<b>0</b>	1,005,937	<b>686,716</b>	319,221
FRA	323,622	<b>323,572</b>	62,981	<b>0</b>	62,981	<b>0</b>	54,649	<b>0</b>	54,649	<b>0</b>	54,649	<b>0</b>	54,649	<b>0</b>	950,012	<b>605,371</b>	344,641
GUY	314,398	<b>328,347</b>	57,193	<b>21,696</b>	57,193	<b>0</b>	63,211	<b>0</b>	63,211	<b>0</b>	63,211	<b>0</b>	63,211	<b>0</b>	922,584	<b>613,899</b>	308,684
PAR	323,098	<b>41,848</b>	153,341	<b>430,847</b>	60,562	<b>84,748.00</b>	48,782	<b>0</b>	48,782	<b>0</b>	48,782	<b>0</b>	48,782	<b>0</b>	1,045,033	<b>870,276</b>	174,757
PER	68,037	<b>145,037</b>	76,474	<b>281,250</b>	76,474	<b>76,474</b>	73,322	<b>0</b>	73,322	<b>0</b>	73,322	<b>0</b>	73,322	<b>0</b>	907,550	<b>846,517</b>	61,033
SUR	67,211	<b>111,164</b>	281,250	<b>29,983</b>	60,407	<b>0</b>	63,942	<b>0</b>	63,942	<b>0</b>	63,942	<b>0</b>	63,942	<b>0</b>	839,201	<b>248,345</b>	590,857
TRI	67,321	<b>37,301</b>	281,250	<b>281,227</b>	63,355	<b>91,605</b>	52,537	<b>0</b>	52,537	<b>0</b>	52,537	<b>0</b>	52,537	<b>0</b>	799,539	<b>587,560</b>	211,979
URU	74,019	<b>351,863</b>	0	<b>11,242</b>	63,551	<b>66,541</b>	63,158	<b>0</b>	63,158	<b>0</b>	63,158	<b>0</b>	63,158	<b>0</b>	644,476	<b>749,855</b>	-105,380
VEN	167,033	<b>80,000</b>	281,250	<b>368,283</b>	85,800	<b>100,980</b>	70,062	<b>0</b>	70,062	<b>0</b>	70,062	<b>0</b>	70,062	<b>0</b>	1,228,450	<b>963,381</b>	265,069
COCESNA	0	45,970	19,193	19,178	49,193	19,178	49,193	0	19,193	0	19,193	0	19,193	0	267,158	<b>103,501</b>	163,657
Sub-totals	4,088,019	<b>3,850,706</b>	1,800,275	<b>2,360,204</b>	1,106,066	<b>447,537</b>	1,009,387	<b>0</b>	979,387	<b>0</b>	979,387	<b>0</b>	979,387	<b>0</b>	16,118,519	<b>11,738,978</b>	4,379,542
Interest	847	<b>847</b>	1,522	<b>1,522</b>	1,211	<b>1,211</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	64,047	<b>64,047</b>	0
Totals	4,088,866	<b>3,851,553</b>	1,801,797	<b>2,361,726</b>	1,107,277	<b>448,748</b>	1,009,387	<b>0</b>	979,387	<b>0</b>	979,387	<b>0</b>	979,387	<b>0</b>	16,182,566	<b>11,803,025</b>	4,379,542

**DISTRIBUTION OF COSTS OF THE SATELLITE SEGMENT**  
(in US dollars)

Country: Regional for South America  
Project: RLA/03/901/S  
Title: REDDIG Management System and Satellite Segment Administration

	Cost Satellite Segment	AOSC	SRP	Total
2003	62,727	3,764	0	66,491
2004	168,849	8,754	845	178,448
2005	231,264	9,251	1,156	241,671
2006	231,264	5,966	3,469	240,699
2007	231,264	3,469	0	234,733
2008	231,264	10,126	1,156	242,546
2009	0	10,376	1,156	11,532
2010	693,792	24,907	1,810	720,509
2011	0	0	0	0
2012	233,826	29,952	0	263,778
2013	231,264	16,076	0	247,340
2014	539,080	17,200	5,000	561,280
2015	250,000	17,200	5,000	272,200
2016	250,000	17,200	5,000	272,200
2017	250,000	17,200	5,000	272,200
2018	0	0	5,000	5,000
<b>TOTAL</b>	<b>3,604,594</b>	<b>191,441</b>	<b>34,592</b>	<b>3,830,627</b>

Calculation of AOSC for Satellite Segment Rental in USD		
<b>Effective 2003 to 2011:</b>	AOSC 2003	3,764
First 100,000 @ 6%	AOSC 2004	8,754
From 100,001 to 400,000 @ 4%	AOSC 2005	9,251
Over 400,001 @ 1.5%	AOSC 2006	5,966
	AOSC 2007	3,469
	AOSC 2008	10,126
	AOSC 2009	10,376
	AOSC 2010	24,907
	AOSC 2011	0
<b>Effective 2012:</b>	AOSC 2012	29,952
First 10,000 @ 10%	AOSC 2013	16,076
From 10,001 to 100,000 @ 8%	AOSC 2014	17,200
From 100,001 to 1,000,000 @ 6%	AOSC 2015	17,200
From 1,000,001 to 5,000,000 @ 4.9%	AOSC 2016	17,200
Over 5,000,000 @ 3.9%	AOSC 2017	17,200
	AOSC 2018	0

	2003				2004				2005				
	TOTALS	AOSC	SRP	PAS	TOTAL	AOSC	SRP	PAS	TOTAL	AOSC	SRP	PAS	TOTAL
Argentina	569,690	393		6,549	6,942	923	89	17,794	18,806	1,120	140	27,999	29,259
Bolivia	192,500	217		3,620	3,838	594	57	11,449	12,100	532	67	13,310	13,909
Brasil	371,123	342		5,695	6,037	957	92	18,453	19,502	1,225	153	30,613	31,991
Brasil	219,361	132		2,197	2,328	604	58	11,652	12,314	783	98	19,585	20,466
Brasil	77,987	261		4,353	4,614	436	42	8,410	8,888	143	18	3,565	3,726
Chile	179,806	225		3,742	3,967	872	84	16,819	17,775	671	84	16,780	17,535
Colombia	278,829	383		6,387	6,770	819	79	15,806	16,704	918	115	22,960	23,993
Ecuador	188,887	239		3,987	4,226	468	45	9,017	9,530	333	42	8,319	8,693
Francia	155,930	139		2,319	2,458	294	28	5,674	5,996	302	38	7,558	7,898
Guyana	111,995	132		2,197	2,328	257	25	4,965	5,247	179	22	4,468	4,669
Paraguay	131,884	149		2,481	2,630	332	32	6,408	6,773	472	59	11,789	12,320
Perú	474,047	381		6,346	6,727	875	84	16,870	17,829	915	114	22,865	23,894
Suriname	142,031	132		2,197	2,328	205	20	3,951	4,176	392	49	9,792	10,233
Trinidad y Tabago	71,763	0		0	0	0	0	0	0	0	0	0	0
Uruguay	212,013	347		5,776	6,123	588	57	11,348	11,993	367	46	9,175	9,587
Venezuela	452,782	293		4,881	5,174	531	51	10,233	10,815	899	112	22,485	23,496
<b>TOTALS</b>	<b>3,830,627</b>	<b>3,764</b>		<b>62,727</b>	<b>66,491</b>	<b>8,754</b>	<b>845</b>	<b>168,849</b>	<b>178,448</b>	<b>9,251</b>	<b>1,156</b>	<b>231,264</b>	<b>241,671</b>
	2006				2007				2008				
	AOSC	SRP	PAS	TOTAL	AOSC	SRP	PAS	TOTAL	AOSC	SRP	PAS	TOTAL	
Argentina	869	505	33,672	35,046	496	0	33,038	33,533	1,743	199	39,797	41,739	
Bolivia	304	177	11,803	12,284	204	0	13,591	13,795	487	56	11,124	11,667	
Brasil	663	385	25,688	26,736	299	0	19,948	20,247	892	102	20,369	21,362	
Brasil	309	180	11,976	12,465	210	0	13,968	14,177	483	55	11,020	11,558	
Brasil	124	72	4,825	5,022	68	0	4,558	4,627	240	27	5,484	5,751	
Chile	599	348	23,224	24,171	220	0	14,637	14,857	382	44	8,722	9,148	
Colombia	520	303	20,169	20,992	354	0	23,586	23,940	739	84	16,870	17,692	
Ecuador	175	102	6,769	7,045	164	0	10,915	11,079	366	42	8,356	8,764	
Francia	272	158	10,553	10,984	185	0	12,337	12,522	579	66	13,214	13,858	
Guyana	74	43	2,881	2,999	45	0	3,011	3,056	153	17	3,499	3,670	
Paraguay	248	144	9,616	10,008	103	0	6,858	6,961	336	38	7,677	8,052	
Perú	678	394	26,278	27,351	432	0	28,814	29,246	1,464	167	33,426	35,056	
Suriname	141	82	5,485	5,709	70	0	4,684	4,754	174	20	3,969	4,163	
Trinidad y Tabago	187	109	7,255	7,551	58	0	3,847	3,905	233	27	5,327	5,587	
Uruguay	300	174	11,629	12,104	172	0	11,459	11,631	595	68	13,579	14,242	
Venezuela	501	292	19,440	20,233	390	0	26,012	26,402	1,262	144	28,830	30,236	
<b>TOTALS</b>	<b>5,966</b>	<b>3,469</b>	<b>231,264</b>	<b>240,699</b>	<b>3,469</b>	<b>0</b>	<b>231,264</b>	<b>234,733</b>	<b>10,126</b>	<b>1,156</b>	<b>231,264</b>	<b>242,546</b>	

**DISTRIBUTION OF COSTS OF THE SATELLITE SEGMENT**  
(in US dollars)

	2009				2010				2011			
	AOSC	SRP	PAS	TOTAL	AOSC	SRP	PAS	TOTAL	AOSC	SRP	PAS	TOTAL
Argentina	1,548	172	0	1,720	3,869	281	107,775	111,925	0	0	0	0
Bolivia	559	62	0	621	1,328	97	37,002	38,427	0	0	0	0
Brasil	1,038	116	0	1,153	2,389	174	66,537	69,099	0	0	0	0
Brasil	603	67	0	670	1,544	112	43,021	44,677	0	0	0	0
Brasil	224	25	0	249	524	38	14,600	15,163	0	0	0	0
Chile	375	42	0	417	868	63	24,185	25,117	0	0	0	0
Colombia	776	86	0	862	1,652	120	46,030	47,802	0	0	0	0
Ecuador	523	58	0	581	1,080	79	30,092	31,251	0	0	0	0
Francia	513	57	0	571	1,056	77	29,423	30,557	0	0	0	0
Guyana	164	18	0	182	384	28	10,699	11,111	0	0	0	0
Paraguay	342	38	0	380	1,016	74	28,309	29,399	0	0	0	0
Perú	1,358	151	0	1,510	3,077	224	85,707	89,007	0	0	0	0
Suriname	237	26	0	263	680	49	18,947	19,677	0	0	0	0
Trinidad y Tabago	244	27	0	271	688	50	19,170	19,908	0	0	0	0
Uruguay	517	58	0	575	1,176	85	32,767	34,029	0	0	0	0
Venezuela	1,356	151	0	1,508	3,573	260	99,527	103,360	0	0	0	0
	<b>10,376</b>	<b>1,156</b>	<b>0</b>	<b>11,532</b>	<b>24,907</b>	<b>1,810</b>	<b>693,792</b>	<b>720,509</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	2012				2013				2014			
	AOSC	SRP	PAS	TOTAL	AOSC	SRP	PAS	TOTAL	AOSC	SRP	PAS	TOTAL
Argentina	4,653	0	36,323	40,976	2,497	0	35,925	38,422	2,628	764	82,378	85,771
Bolivia	1,597	0	12,471	14,068	857	0	12,334	13,191	729	212	22,843	23,784
Brasil	2,872	0	22,425	25,297	1,542	0	22,179	23,721	1,567	455	49,109	51,131
Brasil	1,857	0	14,499	16,356	997	0	14,340	15,337	858	250	26,902	28,010
Brasil	630	0	4,921	5,551	338	0	4,867	5,205	239	69	7,482	7,790
Chile	1,044	0	8,151	9,195	560	0	8,062	8,622	609	177	19,102	19,889
Colombia	1,987	0	15,513	17,500	1,067	0	15,343	16,410	1,072	312	33,588	34,971
Ecuador	1,299	0	10,142	11,441	697	0	10,031	10,728	1,064	309	33,349	34,723
Francia	1,270	0	9,916	11,187	682	0	9,808	10,490	615	179	19,261	20,055
Guyana	462	0	3,606	4,068	248	0	3,566	3,814	881	256	27,619	28,756
Paraguay	1,222	0	9,541	10,763	656	0	9,436	10,092	429	125	13,451	14,005
Perú	3,700	0	28,885	32,586	1,986	0	28,569	30,555	2,242	652	70,280	73,174
Suriname	818	0	6,386	7,204	439	0	6,316	6,755	955	278	29,927	31,159
Trinidad y Tabago	828	0	6,461	7,288	444	0	6,390	6,834	254	74	7,959	8,287
Uruguay	1,415	0	11,043	12,458	759	0	10,922	11,682	1,089	317	34,145	35,551
Venezuela	4,297	0	33,543	37,840	2,306	0	33,176	35,482	1,968	572	61,684	64,224
	<b>29,952</b>	<b>0</b>	<b>233,826</b>	<b>263,778</b>	<b>16,076</b>	<b>0</b>	<b>231,264</b>	<b>247,340</b>	<b>17,200</b>	<b>5,000</b>	<b>539,080</b>	<b>561,280</b>
	2015				2016				2017			
	AOSC	SRP	PAS	TOTAL	AOSC	SRP	PAS	TOTAL	AOSC	SRP	PAS	TOTAL
Argentina	2,628	764	38,203	41,596	2,628	764	38,203	41,596	2,628	764	38,203	41,596
Bolivia	729	212	10,594	11,534	729	212	10,594	11,534	729	212	10,594	11,534
Brasil	1,567	455	22,774	24,797	1,567	455	22,774	24,797	1,567	455	22,774	24,797
Brasil	858	250	12,476	13,584	858	250	12,476	13,584	858	250	12,476	13,584
Brasil	239	69	3,470	3,778	239	69	3,470	3,778	239	69	3,470	3,778
Chile	609	177	8,859	9,645	609	177	8,859	9,645	609	177	8,859	9,645
Colombia	1,072	312	15,577	16,960	1,072	312	15,577	16,960	1,072	312	15,577	16,960
Ecuador	1,064	309	15,466	16,839	1,064	309	15,466	16,839	1,064	309	15,466	16,839
Francia	615	179	8,933	9,726	615	179	8,933	9,726	615	179	8,933	9,726
Guyana	881	256	12,808	13,946	881	256	12,808	13,946	881	256	12,808	13,946
Paraguay	429	125	6,238	6,792	429	125	6,238	6,792	429	125	6,238	6,792
Perú	2,242	652	32,593	35,487	2,242	652	32,593	35,487	2,242	652	32,593	35,487
Suriname	955	278	13,879	15,111	955	278	13,879	15,111	955	278	13,879	15,111
Trinidad y Tabago	254	74	3,691	4,019	254	74	3,691	4,019	254	74	3,691	4,019
Uruguay	1,089	317	15,835	17,241	1,089	317	15,835	17,241	1,089	317	15,835	17,241
Venezuela	1,968	572	28,606	31,146	1,968	572	28,606	31,146	1,968	572	28,606	31,146
	<b>17,200</b>	<b>5,000</b>	<b>250,000</b>	<b>272,200</b>	<b>17,200</b>	<b>5,000</b>	<b>250,000</b>	<b>272,200</b>	<b>17,200</b>	<b>5,000</b>	<b>250,000</b>	<b>272,200</b>

**DISTRIBUTION OF COSTS OF THE SATELLITE SEGMENT**  
(in US dollars)

	<b>2018</b>			
	AOSC	SRP	PAS	TOTAL
Argentina	0	764	0	764
Bolivia	0	212	0	212
Brasil	0	455	0	455
Brasil	0	250	0	250
Brasil	0	69	0	69
Chile	0	177	0	177
Colombia	0	312	0	312
Ecuador	0	309	0	309
Francia	0	179	0	179
Guyana	0	256	0	256
Paraguay	0	125	0	125
Perú	0	652	0	652
Suriname	0	278	0	278
Trinidad y Tabago	0	74	0	74
Uruguay	0	317	0	317
Venezuela	0	572	0	572
	<b>0</b>	<b>5,000</b>	<b>0</b>	<b>5,000</b>



## COSTS DISTRIBUTION

Country: Regional for South America  
 Project: RLA/03/901/S  
 Title: REDDIG Management System and Satellite Segment Administration

		months																
		TOTAL	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>Nodo Argentina SAEZ</b>																		
Number of nodes			15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16
BL 19		243,159	1,748	7,751	9,574	11,022	14,507	13,978	14,780	14,325	16,772	18,855	16,331	21,828	20,500	20,500	20,500	20,188
BL 21.01 PAS		714,133	6,549	17,794	27,999	33,672	33,038	39,797	0	113,323	2,345	38,084	41,462	116,316	70,489	70,489	70,489	32,286
PLI PAS		5,207	0	89	140	505	0	199	172	281	0	0	0	764	764	764	764	764
BL 21.07		0																
BL 39		51,258	0	201	4,655	2,177	6,372	9,945	3,625	5,405	-123	2,099	2,401	3,625	2,875	2,875	2,875	2,250
BL 49		300,090	5	5,115	3,027	1,758	431	3,748	8,279	792	1,135	93	19,640	247,691	219	2,362	3,076	2,719
BL 50		0																
	BL 53.01	8,820	43	315	298	72	543	290	231	891	834	720	521	750	750	750	750	1,061
	BL 53.02	551	0	8	34	21	0	0	207	0	0	0	0	56	56	56	56	56
AOSC 10%		61,319	180	1,339	1,759	1,505	2,185	2,787	2,828	892	2,242	6,983	7,974	16,112	5,710	2,654	2,726	3,445
AOSC PAS		28,623	393	923	1,120	869	496	1,743	1,548	3,869	0	4,653	2,497	2,628	2,628	2,628	2,628	0
		0																
Budget node		1,394,744	8,822	33,218	47,960	50,592	56,505	71,948	31,549	136,856	21,952	70,191	89,552	406,696	102,792	101,879	102,665	61,569
Quota established		1,394,744	50,363	30,100	37,800	44,800	66,700	80,000	85,063	86,201	82,500	81,968	405,184	73,193	67,718	67,718	67,718	67,718
Interests+COCESNA		18,416	96	318	646	1,010	1,067	539	122	2,923	1,253	1,295	1,275	3,075	1,200	1,200	1,200	1,200
Difference		0	41,541	-3,118	-10,160	-5,792	10,195	8,052	53,514	-50,655	60,548	11,777	315,632	-333,503	-35,074	-34,161	-34,947	6,149
<b>Nodo Bolivia SLLP</b>																		
Number of nodes			15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16
BL 19		243,159	1,748	7,751	9,574	11,022	14,507	13,978	14,780	14,325	16,772	18,855	16,331	21,828	20,500	20,500	20,500	20,188
BL 21.01 PAS		359,602	3,620	11,449	13,310	11,803	13,591	11,124	0	42,551	2,345	14,231	17,871	56,781	42,879	42,879	42,879	32,286
PLI PAS		1,575	0	57	67	177	0	56	62	97	0	0	0	212	212	212	212	212
BL 21.07		0																
BL 39		33,365	0	201	4,350	2,177	2,436	0	2,603	290	891	3,515	2,401	3,625	2,875	2,875	2,875	2,250
BL 49		301,619	5	5,115	3,027	367	3,625	4,394	7,360	792	1,135	93	19,640	247,691	219	2,362	3,076	2,719
BL 50		0																
	BL 53.01	8,820	43	315	298	72	543	290	231	891	834	720	521	750	750	750	750	1,061
	BL 53.02	551	0	8	34	21	0	0	207	0	0	0	0	56	56	56	56	56
AOSC 10%		59,877	180	1,339	1,728	1,366	2,111	1,857	2,828	380	2,343	7,124	7,974	16,112	5,710	2,654	2,726	3,445
AOSC PAS		9,595	217	594	532	304	204	487	559	1,328	0	1,597	857	729	729	729	729	0
		0																
Budget node		999,747	5,717	26,512	32,274	26,299	35,951	31,646	28,509	57,731	23,068	44,841	64,322	344,709	72,730	71,818	72,603	61,017
Quota established		999,747	39,563	22,100	28,900	33,600	10,900	43,675	52,460	48,039	43,924	43,105	355,853	63,265	53,591	53,591	53,591	53,591
Interests+COCESNA		18,416	96	318	646	1,010	1,067	539	122	2,923	1,253	1,295	1,275	3,075	1,200	1,200	1,200	1,200
Difference		0	33,846	-4,412	-3,374	7,301	-25,051	12,029	23,951	-9,692	20,856	-1,736	291,531	-281,444	-19,140	-18,227	-19,013	-7,426
<b>Nodo Brasil Curitiba SBCT</b>																		
Number of nodes			15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16
BL 19		161,471	1,748	7,751	9,574	11,022	14,507	13,978	14,780	14,325	16,772	18,855	16,331	21,828	20,500	20,500	20,500	20,188
BL 21.01 PAS		333,086	5,695	18,453	30,613	25,688	19,948	20,369	0	72,086	2,345	24,185	27,716	85,987	58,220	58,220	58,220	35,446
PLI PAS		1,477	0	92	153	385	0	102	116	174	0	0	0	455	455	455	455	455
BL 21.07		0																
BL 39		11,594	0	201	2,350	142	50	0	558	290	-123	2,099	2,401	3,625	2,875	2,875	2,875	2,250
BL 49		294,592	5	5,115	9,517	1,372	581	1,291	7,360	792	1,135	93	19,640	247,691	219	2,362	3,076	2,719
BL 50		0																
	BL 53.01	5,508	43	315	298	72	543	290	231	891	834	720	521	750	750	750	750	1,061
	BL 53.02	326	0	8	34	21	0	0	207	0	0	0	0	56	56	56	56	56
AOSC 10%		44,592	180	1,339	2,177	1,263	1,568	1,547	2,828	380	2,242	6,983	7,974	16,112	5,710	2,654	2,726	3,445
AOSC PAS		13,786	342	957	1,225	663	299	892	1,038	2,389	0	2,872	1,542	1,567	1,567	1,567	1,567	0
Cuota SBCT		866,432	8,013	34,231	55,942	40,629	37,496	38,468	27,118	91,326	23,205	55,807	76,126	378,071	90,353	89,440	90,226	65,620

<b>Nodo Brasil Manaus SBMN</b>																	
	TOTAL	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Number of nodes		15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16
BL 19	161,471	1,748	7,751	9,574	11,022	14,507	13,978	14,780	14,325	16,772	18,855	16,331	21,828	20,500	20,500	20,500	20,188
BL 21.01 PAS	199,160	2,197	11,652	19,585	11,976	13,968	11,020	0	43,021	0	14,499	14,340	56,902	42,476	42,476	42,476	30,000
PLI PAS	820	0	58	98	180	0	55	67	112	0	0	0	250	250	250	250	250
	0																
BL 39	13,015	0	201	3,771	142	50	0	558	290	-123	2,099	2,401	3,625	2,875	2,875	2,875	2,250
BL 49	289,396	5	5,115	3,281	12,232	431	8	69	205	928	47	19,383	247,691	219	219	219	219
BL 50	0																
BL 53.01	5,508	43	315	298	72	543	290	231	891	834	720	521	750	750	750	750	1,061
BL 53.02	326	0	8	34	21	0	0	207	0	0	0	0	56	56	56	56	56
AOSC 10%	44,866	180	1,339	1,696	2,349	1,553	1,418	2,828	321	2,221	6,978	7,871	16,112	5,710	2,440	2,440	3,195
AOSC PAS	8,380	132	604	783	309	210	483	603	1,544	0	1,857	997	858	858	858	858	0
Cuota SBMN	722,942	4,304	27,043	39,120	38,303	31,261	27,252	19,344	60,710	20,632	45,056	61,845	348,072	73,694	70,424	70,424	57,218
<b>Nodo Brasil Recife SBRF</b>																	
	TOTAL	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Number of nodes		15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16
BL 19	243,159	1,748	7,751	9,574	11,022	14,507	13,978	14,780	14,325	16,772	18,855	16,331	21,828	20,500	20,500	20,500	20,188
BL 21.01 PAS	223,473	4,353	8,410	3,565	4,825	4,558	5,484	0	14,600	0	4,921	4,867	37,482	33,470	33,470	33,470	30,000
PLI PAS	570	0	42	18	72	0	27	25	38	0	0	0	69	69	69	69	69
	0																
BL 39	22,469	0	201	2,350	142	50	0	558	290	-123	2,099	2,401	3,625	2,875	2,875	2,875	2,250
BL 49	281,079	5	5,115	3,027	3,294	431	8	69	205	928	47	19,383	247,691	219	219	219	219
BL 50	0																
BL 53.01	8,820	43	315	298	72	543	290	231	891	834	720	521	750	750	750	750	1,061
BL 53.02	551	0	8	34	21	0	0	207	0	0	0	0	56	56	56	56	56
AOSC 10%	57,691	180	1,339	1,528	1,455	1,553	1,418	2,828	321	2,221	6,978	7,972	16,112	5,710	2,440	2,440	3,195
AOSC PAS	3,944	261	436	143	124	68	240	224	524	0	630	338	239	239	239	239	0
Cuota SBRF	841,756	6,589	23,617	20,537	21,028	21,711	21,446	18,923	31,195	20,632	34,250	51,815	327,852	63,888	60,618	60,618	57,038
	0																
Presup. nodos Brasil	2,983,281	18,617	83,938	113,662	96,930	87,268	85,547	65,019	174,461	60,712	131,229	185,960	1,044,771	224,336	216,883	217,669	176,278
Cuota establecida	2,983,281	123,790	72,900	79,400	111,000	60,800	81,444	118,154	137,644	148,003	150,143	1,037,433	193,683	167,222	167,222	167,222	167,222
Intereses+COCESNA	55,247	289	953	1,937	3,029	3,200	1,618	365	8,769	3,758	3,884	3,826	9,224	3,599	3,599	3,599	3,599
Diferencia	0	105,173	-11,038	-34,262	14,070	-26,468	-4,103	53,135	-36,817	87,291	18,914	851,473	-851,088	-57,114	-49,661	-50,447	-9,056
<b>Nodo Chile SCEL</b>																	
	TOTAL	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Number of nodes		15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16
BL 19	243,159	1,748	7,751	9,574	11,022	14,507	13,978	14,780	14,325	16,772	18,855	16,331	21,828	20,500	20,500	20,500	20,188
BL 21.01 PAS	348,273	3,742	16,819	16,780	23,224	14,637	8,722	0	29,734	2,345	9,912	13,599	53,040	41,144	41,144	41,144	32,286
PLI PAS	1,551	0	84	84	348	0	44	42	63	0	0	0	177	177	177	177	177
BL 21.07	0																
BL 39	27,239	0	201	3,208	142	50	0	558	1,772	891	3,515	2,401	3,625	2,875	2,875	2,875	2,250
BL 49	298,511	5	5,115	6,036	1,661	-1,063	1,291	7,740	792	1,135	93	19,640	247,691	219	2,362	3,076	2,719
BL 50	0																
BL 53.01	8,820	43	315	298	72	543	290	231	891	834	720	521	750	750	750	750	1,061
BL 53.02	551	0	8	34	21	0	0	207	0	0	0	0	56	56	56	56	56
AOSC 10%	59,120	180	1,339	1,915	1,292	1,404	1,547	2,828	528	2,343	7,124	7,974	16,112	5,710	2,654	2,726	3,445
AOSC PAS	8,254	225	872	671	599	220	382	375	868	0	1,044	560	609	609	609	609	0
	0																
Budget node	977,063	5,847	32,187	37,954	37,371	29,230	25,713	26,640	46,051	23,068	39,968	59,752	340,814	70,842	69,929	70,714	60,982
Quota established	977,063	40,013	35,100	36,400	67,000	28,710	29,500	29,500	1,000	45,000	44,791	346,919	59,361	53,442	53,442	53,442	53,442
Interests+COCESNA	18,416	96	318	646	1,010	1,067	539	122	2,923	1,253	1,295	1,275	3,075	1,200	1,200	1,200	1,200
Diferencia	0	34,166	2,913	-1,554	29,629	-520	3,787	2,860	-45,051	21,932	4,823	287,167	-281,453	-17,399	-16,487	-17,272	-7,540

<b>Nodo Colombia SKED</b>		TOTAL	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Number of nodes			15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16
BL 19		243,159	1,748	7,751	9,574	11,022	14,507	13,978	14,780	14,325	16,772	18,855	16,331	21,828	20,500	20,500	20,500	20,188
BL 21.01 PAS		494,360	6,387	15,806	22,960	20,169	23,586	16,870	0	51,579	2,345	17,274	20,880	77,546	58,634	58,634	58,634	43,057
PLI PAS		2,345	0	79	115	303	0	84	86	120	0	0	0	312	312	312	312	312
BL 21.07		0																
BL 39		30,865	0	201	2,350	3,595	50	0	2,603	1,772	-123	3,515	2,401	3,625	2,875	2,875	2,875	2,250
BL 49		317,587	5	5,115	3,027	2,461	14,896	4,498	9,858	792	1,135	93	19,640	247,691	219	2,362	3,076	2,719
BL 50		0																
	BL 53.01	8,820	43	315	298	72	543	290	231	891	834	720	521	750	750	750	750	1,061
	BL 53.02	551	0	8	34	21	0	0	207	0	0	0	0	56	56	56	56	56
AOSC 10%		60,974	180	1,339	1,528	1,717	3,000	1,867	2,828	528	2,242	7,124	7,974	16,112	5,710	2,654	2,726	3,445
AOSC PAS		13,501	383	819	918	520	354	739	776	1,652	0	1,987	1,067	1,072	1,072	1,072	1,072	0
Budget node		1,153,745	8,649	31,115	40,159	38,870	55,870	37,786	31,247	68,737	21,952	48,273	67,540	365,917	88,927	88,014	88,800	71,888
Quota established		1,153,745	24,269	0	162,094	0	150,000	0	7,441	0	67,201	65,572	346,822	73,166	64,295	64,295	64,295	64,295
Interests+COCESNA		18,416	96	318	646	1,010	1,067	539	122	2,923	1,253	1,295	1,275	3,075	1,200	1,200	1,200	1,200
Difference		0	15,620	-31,115	121,935	-38,870	94,130	-37,786	-23,806	-68,737	45,249	17,299	279,282	-292,751	-24,632	-23,720	-24,505	-7,593

<b>Nodo Ecuador SEGU</b>		TOTAL	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Number of nodes			15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16
BL 19		243,159	1,748	7,751	9,574	11,022	14,507	13,978	14,780	14,325	16,772	18,855	16,331	21,828	20,500	20,500	20,500	20,188
BL 21.01 PAS		355,647	3,987	9,017	8,319	6,769	10,915	8,356	0	35,641	2,345	11,903	15,568	67,287	47,752	47,752	47,752	32,286
PLI PAS		1,913	0	45	42	102	0	42	58	79	0	0	0	309	309	309	309	309
BL 21.07		0																
BL 39		37,946	0	201	4,065	2,117	3,996	0	2,603	3,254	-123	4,931	2,401	3,625	2,875	2,875	2,875	2,250
BL 49		305,983	5	5,115	4,897	6,158	3,050	1,291	7,740	792	1,135	93	19,640	247,691	219	2,362	3,076	2,719
BL 50		0																
	BL 53.01	8,820	43	315	298	72	543	290	231	891	834	720	521	750	750	750	750	1,061
	BL 53.02	551	0	8	34	21	0	0	207	0	0	0	0	56	56	56	56	56
AOSC 10%		60,733	180	1,339	1,887	1,939	2,210	1,547	2,828	677	2,242	7,266	7,974	16,112	5,710	2,654	2,726	3,445
AOSC PAS		9,600	239	468	333	175	164	366	523	1,080	0	1,299	697	1,064	1,064	1,064	1,064	0
Budget node		1,005,937	6,105	23,942	28,803	27,365	34,318	25,330	28,848	53,816	21,952	43,771	61,858	355,648	78,035	77,122	77,908	61,114
Quota established		1,005,937	40,913	15,200	25,500	29,100	19,000	40,865	51,589	35,000	35,000	47,701	345,132	63,882	64,264	64,264	64,264	64,264
Interests+COCESNA		18,416	96	318	646	1,010	1,067	539	122	2,923	1,253	1,295	1,275	3,075	1,200	1,200	1,200	1,200
Difference		0	34,808	-8,742	-3,303	1,735	-15,318	15,535	22,741	-18,816	13,048	3,930	283,274	-291,766	-13,772	-12,859	-13,644	3,150

<b>Nodo Francia SOCA</b>		TOTAL	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Number of nodes			15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16
BL 19		243,159	1,748	7,751	9,574	11,022	14,507	13,978	14,780	14,325	16,772	18,855	16,331	21,828	20,500	20,500	20,500	20,188
BL 21.01 PAS		325,134	2,319	5,674	7,558	10,553	12,337	13,214	0	34,972	2,345	11,677	15,345	53,199	41,218	41,218	41,218	32,286
PLI PAS		1,318	0	28	38	158	0	66	57	77	0	0	0	179	179	179	179	179
BL 21.07		0																
BL 39		27,714	0	201	4,090	142	50	2,238	1,825	290	-123	2,099	2,401	3,625	2,875	2,875	2,875	2,250
BL 49		295,253	5	5,115	3,027	58	431	1,291	7,600	792	1,135	93	19,640	247,691	219	2,362	3,076	2,719
BL 50		0																
	BL 53.01	8,820	43	315	298	72	543	290	231	891	834	720	521	750	750	750	750	1,061
	BL 53.02	551	0	8	34	21	0	0	207	0	0	0	0	56	56	56	56	56
AOSC 10%		58,729	180	1,339	1,702	1,132	1,553	1,770	2,828	380	2,242	6,983	7,974	16,112	5,710	2,654	2,726	3,445
AOSC PAS		7,751	139	294	302	272	185	579	513	1,056	0	1,270	682	615	615	615	615	0
Budget node		950,012	4,337	20,408	25,978	22,420	28,539	32,886	27,921	49,860	21,952	40,402	61,620	340,980	70,922	70,009	70,795	60,983
Quota established		950,012	34,763	11,300	20,910	26,400	25,000	45,795	51,371	24,092	42,203	42,372	344,231	62,981	54,649	54,649	54,649	54,649
Interests+COCESNA		18,416	96	318	646	1,010	1,067	539	122	2,923	1,253	1,295	1,275	3,075	1,200	1,200	1,200	1,200
Difference		0	30,426	-9,108	-5,068	3,980	-3,539	12,909	23,450	-25,768	20,251	1,970	282,611	-277,999	-16,273	-15,360	-16,146	-6,335

<b>Nodo Guyana SYGC</b>		TOTAL	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Number of nodes			15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16
BL 19		243,159	1,748	7,751	9,574	11,022	14,507	13,978	14,780	14,325	16,772	18,855	16,331	21,828	20,500	20,500	20,500	20,188
BL 21.01 PAS		283,209	2,197	4,965	4,468	2,881	3,011	3,499	0	16,248	2,345	5,367	9,103	61,557	45,094	45,094	45,094	32,286
PLI PAS		1,435	0	25	22	43	0	17	18	28	0	0	0	256	256	256	256	256
BL 21.07		0																
BL 39		35,870	0	201	3,207	2,177	2,696	0	3,093	1,772	891	4,931	2,401	3,625	2,875	2,875	2,875	2,250
BL 49		302,197	5	5,115	4,630	3,768	698	2,894	7,360	792	1,135	93	19,640	247,691	219	2,362	3,076	2,719
BL 50		0																
	BL 53.01	8,820	43	315	298	72	543	290	231	891	834	720	521	750	750	750	750	1,061
	BL 53.02	551	0	8	34	21	0	0	207	0	0	0	0	56	56	56	56	56
AOSC 10%		60,136	180	1,339	1,774	1,706	1,844	1,707	2,828	528	2,343	7,266	7,974	16,112	5,710	2,654	2,726	3,445
AOSC PAS		5,623	132	257	179	74	45	153	164	384	0	462	248	881	881	881	881	0
		0																
Budget node		922,584	4,208	19,658	23,542	20,755	22,279	21,999	28,560	32,046	23,068	36,398	54,945	349,681	75,142	74,229	75,015	61,061
Quota established		922,584	34,313	9,900	19,900	22,900	15,000	35,935	43,009	30,000	30,000	33,148	338,443	57,193	63,211	63,211	63,211	63,211
Interests+COCESNA		18,416	96	318	646	1,010	1,067	539	122	2,923	1,253	1,295	1,275	3,075	1,200	1,200	1,200	1,200
Difference		0	30,105	-9,758	-3,642	2,145	-7,279	13,936	14,449	-2,046	6,932	-3,250	283,498	-292,488	-11,931	-11,018	-11,804	2,150

<b>Nodo Paraguay SGAS</b>		TOTAL	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Number of nodes			15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16
BL 19		243,159	1,748	7,751	9,574	11,022	14,507	13,978	14,780	14,325	16,772	18,855	16,331	21,828	20,500	20,500	20,500	20,188
BL 21.01 PAS		302,554	2,481	6,408	11,789	9,616	6,858	7,677	0	33,858	2,345	11,302	14,973	47,389	38,524	38,524	38,524	32,286
PLI PAS		1,009	0	32	59	144	0	38	38	74	0	0	0	125	125	125	125	125
BL 21.07		0																
BL 39		49,927	0	201	4,065	3,460	6,454	7,569	6,046	3,254	-123	2,099	2,401	3,625	2,875	2,875	2,875	2,250
BL 49		388,870	5	5,115	3,027	1,414	5,898	3,527	7,360	792	1,135	93	19,640	332,489	219	2,362	3,076	2,719
BL 50		0																
	BL 53.01	8,820	43	315	298	72	543	290	231	891	834	720	521	750	750	750	750	1,061
	BL 53.02	551	0	8	34	21	0	0	207	0	0	0	0	56	56	56	56	56
AOSC 10%		61,964	180	1,339	1,700	1,599	2,740	2,527	2,828	677	2,242	6,983	7,974	16,642	5,710	2,654	2,726	3,445
AOSC PAS		6,593	149	332	472	248	103	336	342	1,016	0	1,222	656	429	429	429	429	0
		0																
Budget node		1,045,033	4,510	21,184	30,372	26,586	36,037	35,403	31,712	51,964	21,952	39,978	61,222	420,258	67,988	67,075	67,861	60,930
Quota established		1,045,033	35,363	12,700	21,900	30,700	25,600	46,160	53,262	47,056	40,162	41,848	434,591	60,562	48,782	48,782	48,782	48,782
Interests+COCESNA		18,416	96	318	646	1,010	1,067	539	122	2,923	1,253	1,295	1,275	3,075	1,200	1,200	1,200	1,200
Difference		0	30,853	-8,484	-8,472	4,114	-10,437	10,757	21,550	-4,908	18,210	1,870	373,369	-359,696	-19,206	-18,293	-19,079	-12,147

<b>Nodo Perú SPIM</b>		TOTAL	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Number of nodes			15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16
BL 19		243,159	1,748	7,751	9,574	11,022	14,507	13,978	14,780	14,325	16,772	18,855	16,331	21,828	20,500	20,500	20,500	20,188
BL 21.01 PAS		639,672	6,346	16,870	22,865	26,278	28,814	33,426	0	91,256	2,345	30,646	34,106	107,158	68,039	68,039	68,039	35,446
PLI PAS		4,394	0	84	114	394	0	167	151	224	0	0	0	652	652	652	652	652
BL 21.07		0																
BL 39		37,480	0	201	2,350	4,426	4,300	4,080	2,955	290	-123	2,099	2,401	3,625	2,875	2,875	2,875	2,250
BL 49		295,013	5	5,115	3,027	58	431	1,291	7,360	792	1,135	93	19,640	247,691	219	2,362	3,076	2,719
BL 50		0																
	BL 53.01	8,820	43	315	298	72	543	290	231	891	834	720	521	750	750	750	750	1,061
	BL 53.02	551	0	8	34	21	0	0	207	0	0	0	0	56	56	56	56	56
AOSC 10%		59,592	180	1,339	1,528	1,560	1,978	1,955	2,828	380	2,242	6,983	7,974	16,112	5,710	2,654	2,726	3,445
AOSC PAS		23,834	381	875	915	678	432	1,464	1,358	3,077	0	3,700	1,986	2,242	2,242	2,242	2,242	0
		0																
Budget node		1,294,100	8,606	32,240	40,060	43,500	49,938	56,110	29,749	108,311	21,952	61,801	81,685	397,040	99,843	98,931	99,716	64,617
Quota established		1,294,100	49,613	28,300	36,500	39,700	40,000	71,372	77,820	78,271	77,000	68,037	357,724	76,474	73,322	73,322	73,322	73,322
Interests+COCESNA		18,416	96	318	646	1,010	1,067	539	122	2,923	1,253	1,295	1,275	3,075	1,200	1,200	1,200	1,200
Difference		0	41,007	-3,940	-3,560	-3,800	-9,938	15,262	48,071	-30,040	55,048	6,236	276,039	-320,566	-26,521	-25,608	-26,394	8,705

<b>Nodo Suriname SMPM</b>		TOTAL	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Number of nodes			15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16
BL 19		243,159	1,748	7,751	9,574	11,022	14,507	13,978	14,780	14,325	16,772	18,855	16,331	21,828	20,500	20,500	20,500	20,188
BL 21.01 PAS		311,562	2,197	3,951	9,792	5,485	4,684	3,969	0	24,496	2,345	8,146	11,853	63,865	46,164	46,164	46,164	32,286
PLI PAS		1,635	0	20	49	82	0	20	26	49	0	0	0	278	278	278	278	278
BL 21.07		0																
BL 39		34,573	0	201	4,065	2,177	-232	2,238	558	3,254	1,906	3,504	2,401	3,625	2,875	2,875	2,875	2,250
BL 49		296,363	5	5,115	3,027	58	1,781	1,291	7,360	792	1,135	93	19,640	247,691	219	2,362	3,076	2,719
BL 50		0																
	BL 53.01	8,820	43	315	298	72	543	290	231	891	834	720	521	750	750	750	750	1,061
	BL 53.02	551	0	8	34	21	0	0	207	0	0	0	0	56	56	56	56	56
AOSC 10%		59,677	180	1,339	1,700	1,335	1,660	1,770	2,828	677	2,445	7,123	7,974	16,112	5,710	2,654	2,726	3,445
AOSC PAS		7,107	132	205	392	141	70	174	237	680	0	818	439	955	955	955	955	0
Budget node		945,030	4,208	18,588	28,285	19,384	21,946	23,190	26,106	42,241	24,184	37,964	57,885	352,084	76,307	75,394	76,180	61,082
Quota established		945,030	34,313	7,400	18,500	28,700	18,300	36,412	44,752	30,000	30,000	37,211	343,267	60,407	63,942	63,942	63,942	63,942
Interests+COCESNA		18,416	96	318	646	1,010	1,067	539	122	2,923	1,253	1,295	1,275	3,075	1,200	1,200	1,200	1,200
Difference		0	30,105	-11,188	-9,785	9,316	-3,646	13,222	18,646	-12,241	5,816	-753	285,382	-291,677	-12,365	-11,452	-12,238	2,860

<b>Nodo Trinidad y Tabago (Piarco) TTZP</b>		TOTAL	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Number of nodes			15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16
BL 19		224,086	0	0	0	11,022	14,507	13,978	14,780	14,325	16,772	18,855	16,331	21,828	20,500	20,500	20,500	20,188
BL 21.01 PAS		245,755	0	0	0	7,255	3,847	5,327	0	24,719	2,345	8,221	11,927	41,897	35,977	35,977	35,977	32,286
PLI PAS		582	0	0	0	109	0	27	27	50	0	0	0	74	74	74	74	74
BL 21.07		0																
BL 39		30,898	0	0	0	2,177	2,696	2,238	3,137	1,772	-123	2,099	2,401	3,625	2,875	2,875	2,875	2,250
BL 49		293,184	0	0	2,815	58	431	3,014	9,140	792	1,135	93	19,640	247,691	219	2,362	3,076	2,719
BL 50		0																
	BL 53.01	8,164	0	0	0	72	543	290	231	891	834	720	521	750	750	750	750	1,061
	BL 53.02	510	0	0	0	21	0	0	207	0	0	0	0	56	56	56	56	56
AOSC 10%		56,578	0	0	282	1,335	1,818	1,943	2,828	528	2,242	6,983	7,974	16,112	5,710	2,654	2,726	3,445
AOSC PAS		3,698	0	0	0	187	58	233	244	688	0	828	444	254	254	254	254	0
Budget node		845,452	0	0	2,451	21,226	22,833	26,510	30,473	40,842	21,952	36,504	57,964	329,212	65,215	64,302	65,088	60,879
Quota established		845,452	0	0	22,700	22,700	15,500	37,791	48,776	30,000	30,000	318,571	45,913	63,355	52,537	52,537	52,537	52,537
Interests+COCESNA		18,416	96	318	646	1,010	1,067	539	122	2,923	1,253	1,295	1,275	3,075	1,200	1,200	1,200	1,200
Difference		0	0	0	20,249	1,474	-7,333	11,281	18,303	-10,842	8,048	282,067	-12,051	-265,857	-12,678	-11,766	-12,551	-8,342

<b>Nodo Uruguay SUMU</b>		TOTAL	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Number of nodes			15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16
BL 19		243,159	1,748	7,751	9,574	11,022	14,507	13,978	14,780	14,325	16,772	18,855	16,331	21,828	20,500	20,500	20,500	20,188
BL 21.01 PAS		377,621	5,776	11,348	9,175	11,629	11,459	13,579	0	38,316	2,345	12,804	16,459	68,083	48,121	48,121	48,121	32,286
PLI PAS		2,072	0	57	46	174	0	68	58	85	0	0	0	317	317	317	317	317
BL 21.07		0																
BL 39		45,125	0	201	4,065	5,217	4,970	4,544	2,578	2,244	891	3,512	2,401	3,625	2,875	2,875	2,875	2,250
BL 49		332,754	5	5,115	3,027	58	36,462	3,001	7,360	792	1,135	93	19,640	247,691	219	2,362	3,076	2,719
BL 50		0																
	BL 53.01	8,820	43	315	298	72	543	290	231	891	834	720	521	750	750	750	750	1,061
	BL 53.02	551	0	8	34	21	0	0	207	0	0	0	0	56	56	56	56	56
AOSC 10%		64,169	180	1,339	1,700	1,639	5,648	2,172	2,828	576	2,343	7,124	7,974	16,112	5,710	2,654	2,726	3,445
AOSC PAS		10,593	347	588	367	300	172	595	517	1,176	0	1,415	759	1,089	1,089	1,089	1,089	0
Budget node		1,066,448	8,002	26,404	27,640	29,123	72,694	37,687	28,438	55,483	23,068	43,228	62,812	356,477	78,437	77,524	78,310	61,122
Quota established		1,066,448	47,513	16,200	28,800	28,000	77,171	64,003	39,759	30,000	30,000	44,019	344,801	63,551	63,158	63,158	63,158	63,158
Interests+COCESNA		18,416	96	318	646	1,010	1,067	539	122	2,923	1,253	1,295	1,275	3,075	1,200	1,200	1,200	1,200
Difference		0	39,511	-10,204	1,160	-1,123	4,477	26,316	11,321	-25,483	6,932	791	281,989	-292,926	-15,280	-14,367	-15,152	2,036



**ADMINISTRATIVE COSTS (CAPS)**

	2012 USD	2013 USD	2014 USD	2015 USD	2016 USD	2017 USD	2018 USD	Total
<b>REDDIG II procurement</b>	0	0						0
AOSC CAPS	0	94,813	125,601					220,414
<b>TERRESTRIAL SERVICE-TOTAL</b>			0	0	0	0	0	0
AOSC CAPS			65,400	52,320	0	0	13,080	130,800

**Form of payment of AOSC**

For budget lines 20 "Subcontracts" and 40 "Equipment" shall apply the following scheme of payments of administrative costs:

- Payment of 25% of the estimated administrative cost at beginning the purchase process requested.
- Payment of 25% of the estimated administrative cost during the preparation of tender.

Note: In these two initial phases of the process can only be set at an estimated cost, since the exact value of ICAO administrative costs can only be calculated

where established and signed the corresponding contract.

- Payment of 40% of administrative cost at signing the Purchase Order (PO) by the part of ICAO and adjustment of payments of administrative costs made at a 90% of final value of the PO.
- Payment of 10% of the administrative cost at the settlement date of the PO.

**Agenda Item 6: Annual project evaluation**

6.1 Under this Agenda Item, the Meeting took note on the information submitted in WP/06 regarding the project appraisal documents, namely:

- a) Project status as of 31 December of each year and management and result indicators (WP/06, Appendix A)
- b) Project monitoring and control, work plan for year 2014 (WP/06, Appendix B); and
- c) Survey on management and result indicators (WP/06, Appendix C).

6.2 In relation to the comments and the ratings produced by the participating States who completed the survey forms on management and outputs indicators for 2013, the Meeting took note of the consolidated information which is shown as **Appendix** to this Agenda Item.

6.3 With regard to the results of the evaluation of the progress of the project in 2013, made by the States responding to the survey, the Meeting took note that the average score obtained was of 4.2 over a maximum of 5, which, according to the corresponding scale, means that the project objectives were achieved in all cases.

6.4 In relation to the assessment of the project at present, it was noted that, in general, the project objectives and scope were adequate and that the objectives are being met adequately. In this regard, the project was required to fully support in following-up on the implementation of the different services where States are having problems in their implementation, such as AMHS and automated systems interconnections.

6.5 As to opportunities for improvement, it was noted that project indicators would consist of: percentage of implementation of the budget and activities that would be reported in the format of monitoring and control of the project in relation to the executed year; the value of the survey and the indicator and network availability, these three indicators will measure the effectiveness and efficiency of the project. In this regard, for the next REDDIG Coordination Committee, a table of activities planned to take place in 2014 will be presented, as described in Agenda Item 4 of this report, and the respective percentage of compliance.

6.6 The States report that the main achievements of the Project in relation to the expected results, are the following:

- a) High availability of the REDDIG
- b) Materialization of the project has permitted to convert the network in a multiservice platform.
- c) Interconnection circuits required through the system, have helped reduce the operating costs of the States.
- d) Integration of communications of the aeronautical fixed service to regional level.

6.7 With regard to the main issues that influence in the achievement of the expected results and how they should be resolved, the States have noted the following:

- a) Delay or problems in logistics for the provision of equipment and spare parts for the customs paperwork in the States.

6.8 In relation to derivatives logistical problems of customs clearance, the Meeting stressed the importance of Conclusion RCC/16-5 where the States to update the information related to national requirements for customs procedures, for the purpose of expedite these procedures.

6.9 Additionally, it was noted that point 9.9 of the REDDIG II Contract details the documents that the contractor would be presenting for the States to know:

- a) BL or AWB: 1 original and 2 copies
- b) Commercial invoice: 2 copies
- c) Packing list: 1 original and 2 copies
- d) Certificate of origin: 1 original
- e) Certificate of insurance: 1 copy

6.10 Thereon, it was remarked the need to know if other documents are required by States for customs procedures, and if there was some peculiarity that the above documents should fulfill. Therefore, the meeting formulated the following conclusion:

**Conclusion RCC/17-3                      Updating of customs clearance paperwork**

That, given that the maximum time of States to internalize the material is of one month, after which the contract terms regarding economic terms and time for execution would be affected, the member States of Project RLA/03/901 shall report to the ICAO South American Office, not later than 30 April 2014, if they require additional information to the specified in item 9.9 of the REDDIG II contract, corresponding to the documents that the contractor shall provide to the State on the equipment to be sent to the REDDIG II nodes, and/or have other national requirements for customs clearance.

6.11 Likewise, the Secretariat informed to the Meeting that in order to support the States in customs procedures, the REDDIG II contract has been translated into Spanish, which will be circulated to the States.

## APPENDIX

### REDDIG Management System and Satellite Segment Administration 3. SURVEY ON MANAGEMENT AND OUTPUTS INDICATORS

**Section I: Evaluation of current project**

**Section II: Assessment of compliance with objectives**

**Section III: Evaluation of implementation and delivery of services by ICAO**

**Section IV: Lessons learned**

5.0	Exceptional results beyond project requirements
4.5	Exceeds requirements
4.0	Project objectives were achieved in all cases
3.5	Most of the project's objectives were achieved
3.0	Some quality results were achieved and implemented
2.5	Some quality results were achieved but are not implementable
2.0	Some results were achieved with little impact and quality
1.5	Below the expected results
1.0	Well below the expected results

**3. SURVEY ON MANAGEMENT AND OUTPUTS INDICATORS**  
**I. EVALUATION OF CURRENT PROJECT**

<b>1.-Project objectives</b>		<b>Evaluation</b>
<b>Do you think the project's objectives are set correctly according to the development priorities of your State in relation to the National Air Navigation Plan to serve the reality of civil aviation?</b>		
ARG	The project is totally synchronized with the priorities established by the State	4
BOL		
BRA	Yes, the objectives of the project have been achieved	4
CHI	Yes	4.5
COL	The objectives of the new project are being met and with the scope of the new project past mistakes are corrected.	4
ECU	The project meets the objectives set out in the National Air Navigation Plan.	4
PAN		
PAR		4.5
PER	The assistance in the provision of spare parts is quick.	4
URU	Project objectives meet the current technical needs of our State and strengthen the National and Regional Air Navigation Plan.	4
VEN		
FRA		4.5
T&T	Yes, the objectives are set correctly.	4
<b>AVERAGE</b>		<b>4.2</b>

<b>2.- Support at regional and global level</b>		<b>Evaluation</b>
<b>Do you think that the project responds and supports your administration with the commitments of the Regional and Global Air Navigation Plans?</b>		
ARG	The project, due to technological changes and the work done by the States, raises a multi-regional platform to make commitments.	4.5
BOL		
BRA		4.5
CHI	Yes.	4.5
COL	To date yes, however, it should be considered previous analysis and evaluation of all the requirements of the new communication channels and of the regional projects developing in Colombia for restructuring of air spaces.	4
ECU	Yes.	4
FRA		4.2
PAR		4.5
PER		4.5
URU	The project has strengthened and enhanced the compliance of our commitments harmoniously with the Regional and Global Air Navigation Plan.	4
T&T	Yes, very well.	4.5
<b>AVERAGE</b>		<b>4.3</b>

<b>3.-Comments of the State(s)</b>		<b>Evaluation</b>
<b>Do you have any comments on the direction of the project?</b>		
ARG	The follow-up made on the implementation and interconnection of the various States' systems is highlighted upon, as well as the concern, effort, disposition and commitment assumed by the management, further than the responsibility that this entails.	5
BOL		
BRA		4.5
CHI	The project has been undertaken very thoroughly to achieve the objectives	4.5
COL	No, taking into account that the project is being carried out with a good administration.	4
ECU	A positive assessment to the management conducted by the REDDIG project.	4.5
FRA		4.5
PAR		4.5
PER		4.5
URU	The project is conducted with appropriate administrative and technical attention and responsibility by ICAO and the member States.	4.5
T&T	No comments.	4.5
<b>AVERAGE</b>		<b>4.5</b>

<b>4.-Strategy and vision</b>		<b>Evaluation</b>
<b>Do you consider that the project meets your institution's strategy and vision that has at long term?</b>		
ARG	We consider it agrees with the strategy and vision, not only of the administratin, but also within the regional and global context.	4.5
BOL		
BRA		4.5
CHI	Yes.	4.5
COL	We consider that the processes of the project are always subject to continuous improvement, with the aim of achieving efficacy, efficiency and effectivity. Everything related and supporting the development of the ANP will always be well-received by Colombia.	4
ECU	The project is indispensable to achieve the objectives set in our country's ANP.	4
FRA		4.5
PAR		4
PER		4.5
URU	It shares the vision of our Administration as regards the safety and technology applied to air navigation.	4
T&T	Yes, it does so and efficiently too.	4.5
<b>AVERAGE</b>		<b>4.3</b>

<b>5.-Project quality</b>		<b>Evaluation</b>
<b>What opinion deserves you the content of this project to achieve the expected objectives?</b>		
ARG	First, we highlight that a project evaluation is carried out, when same is in process. It indicates a constant search for quality in the project. On the other hand, it is undoubtable that efforts come true when complying with requirements and searching to accompany the processes through a permanent updating in respect of technological progress made. This has facilitated the migration or change of the systems purchased by the States, with the inconveniences proper to each scenario.	5
BOL		
BRA		5
CHI	Adequate.	4
COL	The content of this project is good, but complete follow-up is required in the implemetnation of the various services and status of things, there are partially implemented circuits.	4
ECU		4
FRA		4.5
PAR		4.5
PER		5
URU	This project was conceived thanks to the sensibility of States, to meet needs of high technological level and excellent quality.	4
T&T	It has met and even exceeded expected objectives.	4.5
<b>AVERAGE</b>		<b>4.5</b>

<b>6- Project resources</b>		<b>Evaluation</b>
<b>Do you consider that the financial, physical and human resources agreed to achieve the objectives established in the project document are appropriate?</b>		
ARG	The resources mentioned are adequate.	4
BOL		
BRA	Yes	5
CHI	The financial, physical and human resourses of the project are adequate.	4.5
COL	Improvements can be reconsidered upon and established, nevertheless, this is something directly linked to the new network to be implemented.	3.5
ECU	Yes	4
FRA		5
PAR		4
PER		4.5
URU	In general, the resources agreed upon have been appropriate and correctly managed.	3.5
T&T	They are all adequate.	4
<b>AVERAGE</b>		<b>4.2</b>

<b>7.-Project participants</b>		<b>Evaluation</b>
<b>Do you consider that all parties that should be involved in the project are present? If it is not so, who should be involved?</b>		
ARG	We consider that all parties to be involved in the project are present.	4
BOL		
BRA		5
CHI	Yes.	4.5
COL	The suggestion made through the ICAO SAM Office, which has ensured the participation and continuity of the technicians responsible for the various activities, as well as the project coordination meetings, is considered important, as they have achieved ICAO and all States to participate.	4
ECU	Yes.	4
FRA		4.5
PAR		4
PER		4
URU	The parties participating in the project are appropriate and ad-hoc to carry it out	4
T&T	For the most part, yes. But the maintenance technicians should be involved as well.	4
<b>AVERAGE</b>		<b>4.2</b>

<b>8.-Project effectiveness</b>		<b>Evaluation</b>
<b>Is the project effective in costs compared to similar programs or projects?</b>		
ARG	The effects expected on the basis of costs, and in comparison with similar programmes or projects, have undoubtedly been complied with.	4.5
BOL		
BRA		4.5
CHI	It is efficient in terms of costs.	4
COL	Recommendation had been given to design an efficiency indicator, for quantification purposes, it is expected this has been determined.	4
ECU	It is effective, as per the results obtained and the high availability of the project.	4.5
FRA		4.5
PAR		4
PER		5
URU	This project has been effective and efficient. It has reached expectations, as the good result exceeds the cost.	4
T&T		4
<b>AVERAGE</b>		<b>4.3</b>

<b>9.-Modification of project objectives</b>	
<b>What modifications to the objectives and scope of the project would you propose?</b>	
ARG	Within the general objectives, where it reads: "Facilitate regional integration and systematic implementation of installations and services possibilities", on the basis of current reality, it should be modified to read: "Facilitate regional and inter-regional integration and systematic implementation of installations and services possibilities"
BOL	
BRA	No comments
CHI	No comments
COL	None, taking into account that Colombia expects that the objectives and reach of the project are kept adequate for the development of the current air navigation at each of the States.
ECU	No comments
FRA	
PAR	
PER	
URU	The objectives and reach of the project have been successfully complied with, in agreement with the level and professionalism reached.
T&T	The objectives and scope are quite satisfactory.

<b>10.-Other information</b>		
<b>Please provide any other information that may support or clarify your perception of the current project scope.</b>		
ARG		
BOL		
BRA		
CHI	No comments	
COL	Again, it is suggested that the MEVA II / REDDIG project coordination meetings can be developed in cities from the various participating states, determining a sequence and continuity in all States, as this favours a greater participation of State officials when the State is venue of the event.	
ECU		
PAN		
PAR		
PER		
URU	We base our evaluation on operational results and in a follow-up to the project through participation in ICAO meetings, seminars and courses.	
T&T		

**3. SURVEY ON MANAGEMENT AND OUTPUTS INDICATORS**  
**II. ASSESSMENT OF OBJECTIVES COMPLIANCE**

<b>1.-Project objectives</b>		<b>Evaluation</b>
<b>In terms of project management by ICAO, do you think that project objectives are being met?</b>		
ARG	We consider that project objectives are being met.	4
BOL		
BRA		4.5
CHI	Yes	4.5
COL	In general terms, they have been met, but States and stakeholders still need to be approached directly to see what improvements or other requirements must be taken into account.	4
ECU	Yes	4
FRA		4
PAR		4
PER		4.5
URU	Project management by ICAO has been satisfactory and as expected, and the desired objectives have been met.	4
T&T	Yes, absolutely.	4.5
<b>AVERAGE</b>		<b>4.2</b>

<b>2.- Project Schedule</b>		<b>Evaluation</b>
<b>In terms of project management by ICAO, do you think that project objectives are being met?</b>		
ARG	They have been met on a timely basis.	4.5
BOL		
BRA		4
CHI	Yes	4.5
COL	Project objectives have been met on a timely basis, in accordance with the expectations identified by the State of Colombia.	4
ECU	They have been met as scheduled.	4
FRA		4.5
PAR		4
PER		4
URU	Project objectives have been met and continue to be met in accordance with the established timetable, within the appropriate margins.	4
T&T	Yes, with a few hiccups.	4
<b>AVERAGE</b>		<b>4.2</b>

<b>3.-Use of resources</b>		<b>Evaluation</b>
<b>Do you consider that in meeting the objectives are being used, or have been used, resources efficiently?</b>		
ARG	They are adequate	4
BOL		
BRA		4.5
CHI	Yes	4
COL	Within the scope of resources, and based on the corresponding reports and requirements of each State, we consider that they are being met.	4
ECU	Yes	4
FRA		4
PAR		4
PER		4
URU	We have no reason to believe otherwise.	4
T&T	Yes, resources have been used well.	4
<b>AVERAGE</b>		<b>4.1</b>

<b>4.- Project cost</b>		<b>Evaluation</b>
<b>Do you consider that in meeting the objectives are being used, or have been used, resources efficiently?</b>		
ARG	They are adequate	4
BOL		
BRA		4.5
CHI	Yes	4
COL	Based on cost details and reports, we consider that they have been adequate.	4
ECU	Yes	4
FRA		4.5
PAR		4
PER		4.5
URU	They have been adequate and consistent with the needs of the various States	4
T&T		4
<b>AVERAGE</b>		<b>4.2</b>

<b>5.-Major achievements</b>		<b>Evaluation</b>
<b>What are the main achievements of the project in relation to the expected results?</b>		
ARG	Through this project, the network has become a multiservice platform, creating the proper setting for the provision of ATS services, understanding that REDDIG II will strengthen this concept (multiservice platform)	4.5
BOL		
BRA	Increased availability.....	4.5
CHI	High availability of network services - It meets current requirements, since medium- and long-term requirements will be met by REDDIG II.	4.5
COL	The main achievement has been the interconnection of circuits from the various States in the system, thus reducing operating costs through the hiring of local communication providers, and improving efficiency. It is expected that the ground component to be provided under the new project will further reduce costs for the States in the medium term.	4
ECU	High availability of project outputs	4
FRA		4.5
PAR		4.5
PER		4.5
URU	The main achievements are the proven reliability and efficiency of the system, as shown throughout the years	4
T&T	Excellent availability and very efficient administration.	4.5
<b>AVERAGE</b>		<b>4.4</b>

<b>6.-Major problems and their resolution</b>		<b>Evaluation</b>
<b>What are the main problems affecting the achievement of the expected results and how should they be resolved?</b>		
ARG	Although objectives are being met, logistic issues continue to be a challenge for the Administration and the States, which have their own peculiarities in this respect.	4
BOL		
BRA		4
CHI	Delays in processing the delivery and reception of units or spare parts.	4
COL	The experience with the Bogota node in REDDIG I was rather difficult. We hope that the new project will provide immediate availability of spare parts, follow-up of circuit connectivity and operability at each location, improved provision, adjusted availability and continuity.	3.5
ECU		4
FRA		4
PAR		4
PER		4
URU	Any foreseeable disturbance should have a procedure for prompt resolution.	4
T&T	Spare parts have been the major issue. Perhaps looking at the history of past failures can prepare us for	4
<b>PROMEDIO</b>		<b>4.0</b>

<b>7.- Other comments</b>	
<b>Please include other comments related to the compliance of project objectives.</b>	
ARG	The interconnection with MEVA and the possibility of interconnection with other Regions suggest a scenario that goes beyond the established objectives.
BOL	
BRA	
CHI	No comments
COL	Colombia expects that the objectives and scope of the project will continue to be adequate for the development of air navigation in each of the States participating in the project.
ECU	
FRA	No comments
PAR	No comments
PER	No comments
URU	We are very satisfied with the development of the project, which is achieving the intended objectives.
T&T	No comments

<b>8.- Risks</b>	
<b>What new events that could happen, would probably affect the achievement of project outputs? What do you recommend to respond to these events?</b>	
ARG	The work being done for the interconnection, implementation, and exchange of different systems points to the need to avoid relying on a given company, inasmuch as possible, finding a way to set parameters that permit a more accessible and less traumatic integration. In general, in most cases, this work was being done for the first time (e.g., the interconnection of MTAs of different providers). In this regard, advantage should be taken of the experience gained, always seeking personnel specialisation.
BOL	
BRA	No comments
CHI	No comments

COL	Events that might affect the achievement of project outputs include delays in project implementation due to external factors in each State in the short and long term and hardware availability issues that affect continuity. The Administration should supervise and assess these circumstances.
ECU	
FRA	No comments
PAR	No comments
PER	No comments
URU	Adequate and periodically updated logistics avoid possible obsolescence issues or delays in corrective maintenance. That is how it was done with REDDIG I and that is how it should be done with the REDDIG II
T&T	Obsolescence of equipment. Upgrade as necessary.

<b>9.-Other information</b>	
<b>Please provide any other information that may support or clarify your assessment regarding compliance with the objectives of the project.</b>	
ARG	
BOL	
BRA	No comments
CHI	No comments
COL	Colombia is aware of compliance with project objectives through information provided by ICAO at each REDDIG II meeting.
ECU	
FRA	No comments
PAR	No comments
PER	No comments
URU	Our evaluation is based on the operational results and on project follow-up through our participation in meetings, seminars, and courses conducted by ICAO.
T&T	No comments

## 3. SURVEY ON MANAGEMENT AND OUTPUTS INDICATORS

## III. EVALUATION OF PROJECT IMPLEMENTATION AND PROVISION OF SERVICES BY ICAO

1.-Decision making		Evaluation
Do you think that the decision-making process within the project is appropriate?		
ARG	It is suitable.	4.5
BOL		
BRA		4
CHI	Yes.	4.5
COL	Yes, as long as they continue to maintain active participation and respecting the concept of all States, with the information provided by ICAO.	4
ECU	It is appropriate, given that the decisions are made by participating countries at the meetings.	4
FRA		4
PAR		4.5
PER		4
URU	Creemos que la toma de decisiones ha sido apropiada pues no se ha dejado ningún tema al azar o influenciada por propuestas de empresas interesadas en el proyecto.	4
T&T	Yes, it is appropriate.	4.5
<b>AVERAGE</b>		<b>4.2</b>

2.-Product quality		Evaluation
Do you think that the quality of products elaborated is appropriate?		
ARG	Es apropiada	4
BOL		
BRA		4.5
CHI	Sí	4.5
COL	El producto final es el servicio, por lo tanto a la fecha para Colombia ha sido bueno, pero se debe seguir con una mejora continua en el producto final que depende de la disposición de todos lo Estados en mejorar o participar de sus propias infraestructuras.	4
ECU	De acuerdo a los resultados la calidad de los productos son los apropiados	4
FRA		4.5
PAR		4.5
PER		4
URU	Creemos que la calidad de los productos es apropiada, y fue obtenida luego de numerosos estudios y reuniones preliminares.	4
T&T	Yes, it is appropriate.	4.5
<b>AVERAGE</b>		<b>4.3</b>

3.-Orientation		Evaluation
Do you think that there is compliance with guidance towards achieving the project outputs?		
ARG	Project outcome is being met.	4.5
BOL		
BRA		4
CHI	Yes	4.5
COL	There have been achieved good results according to the project direction from its inception to the benefit of all REDDIG States.	4
ECU	Yes.	4
FRA		4
PAR		4.5
PER		4.5
URU	We think we are accomplishing with the stages foreseen for a successful outcome.	4
T&T	Yes, consistently so.	4
<b>AVERAGE</b>		<b>4.2</b>

4.-Organization and prioritization		Evaluation
Do you think the organization and prioritization within the project is appropriate?		
ARG	Is adequate.	4.5
BOL		
BRA		4.5
CHI	Yes.	4.5
COL	Yes, it is appropriate, considering that so far they have met all the expectations that have been identified.	4
ECU	Yes.	4
FRA		4.5
PAR		4
PER		4
URU	We believe that the organization and prioritization has been adequate and the most convenient, resulting in a process of continuous improvement.	4
T&T	Yes, they are.	4.5
<b>AVERAGE</b>		<b>4.3</b>

5.-Change management		Evaluation
Do you think that the management of change and degree of flexibility in managing the project are appropriate?		
ARG	They are adequate.	4.5
BOL		
BRA		4.5
CHI	Yes.	4.5
COL	Yes, as a benefit of all states and of their services there should be a flexibility for the administration, thus, managing of the project is adequate.	4
ECU	Yes, the views and considerations of States are accepted.	4
FRA		4.5
PAR		4
PER		4.5
URU	Precisely, flexibility in project management has allowed to reduce the effects of differences among the States Administrations. It is adequate.	5
T&T	Yes, they are appropriate.	4.5
<b>AVERAGE</b>		<b>4.4</b>

6.-Service to the State		Evaluation
Do you think that the service provided to your State is appropriate?		
ARG	It is adequate.	4.5
BOL		
BRA		4
CHI	Yes.	4.5
COL	The service provided so far has been good, but it can be improved with the implementation of the new Network.	4
ECU	Yes	4
FRA		4
PAR		5
PER		4.5
URU	This project strengthens the Air Navigation Services, providing more Aeronautic Security and raising the training level. It is adequate.	4
T&T	Yes, it is.	4.5
<b>AVERAGE</b>		<b>4.3</b>

<b>7.-Communication</b>		<b>Evaluación</b>
<b>Do you think that the level of communication within and outside the project is adequate?</b>		
ARG	It is adequate.	4.5
BOL		
BRA		4.5
CHI	Yes. It aims to improve the level of coordination	4
COL	The level of project communication has improved and issues have been solved by the organization, both internal and external.	4
ECU	There has always been a relationship of trust within the project.	4.5
FRA		4.5
PAR		4
PER		4.5
URU	Since its inception the project has a very adequate and sustained communication over the years.	5
T&T	Yes, it is adequate.	4
<b>AVERAGE</b>		<b>4.4</b>

<b>8.-Conflicts</b>		<b>Evaluation</b>
<b>Do you believe that conflict management is adequate?</b>		
ARG	It is adequate.	4.5
BOL		
BRA		4.5
CHI	No comments.	4
COL	So far, we have not come to know conflicts in the organization	4.5
ECU	Yes	4
FRA		4
PAR		5
PER		4
URU	Conflicts have always been adequately resolved, expected and unexpected situations.	4
T&T		4.5
<b>AVERAGE</b>		<b>4.3</b>

<b>9.-Use of resources</b>		<b>Evaluation</b>
<b>Do you think that project resources are being used efficiently to produce the expected results?</b>		
ARG	Yes, the resources are being used efficiently.	5
BOL		
BRA		4
CHI	Yes.	4
COL	They have been used properly, even more if we consider the costs involved in the new technology of this interconnectivity of States.	4
ECU	Yes.	4
FRA		4
PAR		4.5
PER		4.5
URU	We think the proper use of resources has been one of the reasons for positive results.	4
T&T	Yes.	4.5
<b>AVERAGE</b>		<b>4.3</b>

10.-Relevance of mechanisms		Evaluation
Do you think that management mechanisms of the project are relevant?		
ARG	Yes, they are pertinent	4.5
BOL		
BRA		4
CHI	Yes.	4.5
COL	Management systems and mechanisms for monitoring and control are always relevant to any activity, to date they are being met.	4
ECU	Yes.	4
FRA		4.5
PAR		4
PER		4.5
URU	Yes, we believe that Regional Office management does; now, regarding the management of each country, the customs and logistics mechanisms should be improved.	3.5
T&T	Yes.	4.5
<b>AVERAGE</b>		<b>4.2</b>

11.-Opportunity to work plans		Evaluation
On the basis of its work plan, how would you rate the degree of opportunity of the project as regards the achievement of products, outputs and delivery of inputs?		
ARG	This project allows all members of the Region to participate actively and go ahead with the proposals or ideas to improve services. It is essential to highlight the support of all States.	4.5
BOL		
BRA		4.5
CHI	Adequate.	4.5
COL	Hasta el momento se han cumplido con las expectativas de los correspondientes servicios. Up to date	4
ECU	The project is an important contribution to achieve the objectives of regional integration	4
FRA		4.5
PAR		4
PER		4
URU	This project has served usefully to develop other ICAO projects, and of course is the basis for developing and consolidating new features.	4
T&T	It is quite satisfactory.	4.5
<b>AVERAGE</b>		<b>4.3</b>

12.-Orientation		Evaluation
Do you consider that the activities and products developed through the project are in line with ICAO directives, regional offices and air navigation plans?		
ARG	Yes, they are in line with the directives of ICAO.	4
BOL		
BRA		4.5
CHI	Yes.	4.5
COL	To date and in line with expectations of services, costs and interconnectivity have been according to the requirements	4
ECU	Yes.	4
FRA		4.5
PAR		4
PER		4.5
URU	Adequately meets the strategic guidelines sustained from the beginning of the project	4
T&T	Yes.	4.5
<b>AVERAGE</b>		<b>4.3</b>

13.-Other information		Evaluation
Please provide any other information that may support or clarify your assessment on products and services provided through the project.		
ARG	No comments.	
BOL		
BRA		
CHI	No comments.	
COL	It is expected that during the implementation and operation of the new REDDIG, a good management be maintained at the time of any failure occurrence.	
ECU		
FRA		
PAR		
PER		
URU	We base our evaluation on operational results and monitoring the project through participation in meetings, seminars and courses conducted by ICAO.	
T&T	Continued training of staff (maintenance), is mandatory.	

**3. SURVEY ON MANAGEMENT AND OUTPUTS INDICATORS**

**IV. LESSONS LEARNED**

<b>1.-Positive lessons learned from the project.</b>	
<b>Provide a brief description of the positive lessons learned from project implementation.</b>	
ARG	The possibility to work with personnel from other States achieving integration results more than satisfactory. The possibility of exchanging experiences that have helped to solve service problems among States. The experience gained for future interconnections and exchange of services among States.
BOL	
BRA	
CHI	The project is developing as specified by ICAO. The degree of professionalism of the members of ICAO project.
COL	We ratify: -Experience and invaluable knowledge. -Benefits in providing various communications services through MEVAII/REDDIG -Experience with cultural, technical and Operational exchange with other States of the Region. -Teamwork involving the States and ICAO to achieve the objectives of the CAR/B9SAM Region.
ECU	Integrating communications of the Aeronautical Fixed Service at a regional level, improved significantly with the project implementation.
FRA	The success of this type of project requires of great communication. Congratulations to the project team.
PAR	The cooperation between States for the implementation of new technologies and coordination for almost immediate solution of technical problems
PER	The coordinated development of the project has allowed to overcome the high availability (99.99% or best) required.
URU	we have been involved in a great project that has improved ties among the States, with respect and professionalism
T&T	Great teamwork by all involved.

<b>2.-Opportunities for improvement.</b>	
<b>Provide a brief description of the improvement opportunities identified during project implementation.</b>	
ARG	With the new REDDIG II we consider that an important issue will be saved when considering that the equipment partially part of the system, will be available in the local media at the time spare parts or replacements are required. This considering the logistical difficulties that have been faced.
BOL	
BRA	
CHI	We suggest to improve the coordination.
COL	It was established that a letter of the process will be designed within a quality management system containing indicators of efficiency and effectiveness, and it is expected that this is developing.
ECU	High availability of the product of the project contributes to safety.
FRA	
PAR	Replacement of equipment and ongoing training will be of importance for the future of the project
PER	
URU	Professional relationships improve among technical areas, improving the efficiency of the final outcome of REDDIG project.
T&T	
<b>3.- Strategy to implement the improvement opportunities identified.</b>	
<b>Provide a brief description of the strategy that you would propose to implement the improvement opportunities identified.</b>	
ARG	No comments.
BOL	
BRA	
CHI	Use the tool "Go to Meeting"
COL	Develop a follow-up letter with the participation of States and ICAO, find errors, document them, making control and monitoring and implementing corrective measures and improvements that could be found (PVAC Cycle)
ECU	
FRA	
PAR	The strategy followed must be maintained, since it was improved with the experience gained during the project.
PER	
URU	Continue with the RTO meetings and courses or seminars to improve technical performance of our services.
T&T	

**Agenda Item 7: Other matters**

7.1 Under this Agenda Item, the Meeting was informed on the study being undertaken by Brazil for the restructuring of its ACCs. In this respect, indication was received that, to solve its present staffing problem to attend the current five ACCs (Atlántico, Brasilia, Curitiba, Amazónico (Manaos) and Recife), the possibility is being studied in order that Brazil counts with two, or maximum three, ACCs.

7.2 In addition, the delegate from Brazil informed of the tasks being carried out in order that the domestic AMHS count with only one main equipment in Brasilia. This activity is scheduled for completion by the end of 2014.

7.3 In this regard, the Meeting deemed convenient that, in view of the changes taken under consideration, Brazil should present the results of the studies during the course of the year, either at the RTO/e meeting to be held in Bogota, Colombia from 28 to 29 July 2014 or at the SAM/IG/14 meeting, to be carried out in Lima, Peru, from 13 to 17 October 2014, in order to analyze its impact over the changes to be made to REDDIG II. The final impact analysis would be completed at the Eighteenth Meeting of the REDDIG Coordination Committee (RCC/18), to be held in March 2015.