



**Cuestión 4 del
orden del día:**

Evaluación de los requisitos operacionales para determinar la implantación de mejoras de las capacidades de comunicaciones, navegación y vigilancia (CNS) para operaciones en ruta y área terminal

Avances en la implantación y operación de la REDDIG II

(Presentada por la Secretaría)

RESUMEN	
Esta nota de estudio presenta información sobre el estado de implantación de las actividades pendientes detectadas durante el proceso de aceptación provisional de los equipos de la REDDIG II en cada uno de los nodos de la REDDIG II, el desempeño de la red de la PSAT hasta la fecha y el estado de implantación de la interconexión de la REDDIG II con la MEVA III.	
REFERENCIAS:	
Informes de las Pruebas de Aceptación Provisional en los sitios (PSAT) (http://www1.lima.icao.int/reddig).	
Objetivos estratégicos de la OACI:	<i>A – Seguridad operacional B - Capacidad y eficiencia de la navegación aérea</i>

1 Antecedentes

1.1 La instalación operacional de la REDDIG II por parte del consorcio INEO & Level 3 inició el 15 de enero de 2015 y se completó el 31 de enero de 2015. Inicialmente la instalación estaba prevista a realizarse en un período de cinco días pero la empresa la completó en 17 días.

1.2 Previamente a la instalación operacional de la REDDIG II, INEO había procedido a la instalación física de los racks, la colocación de los equipos en los racks, las conexiones del cableado de los equipos en los racks, la instalación de los breakers y las conexiones AC de todo el equipamiento. Básicamente la instalación física se realizó a nivel de los equipos indoor aun cuando en algunos sitios se realizaron las instalaciones de cableado y equipos en la parte outdoor.

1.3 La instalación operacional de la REDDIG II se realizó a través de las siguientes fases:

- ✓ Preparación de la migración
- ✓ Pruebas red terrestre
- ✓ Finalización de la instalación de la parte outdoor
- ✓ Puesta en marcha de la red satelital
- ✓ Finalización

1.4 Para la instalación operacional de los nodos de la REDDIG II, INEO utilizó un técnico instalador en cada uno de los nodos. Los puntos focales de la REDDIG II designados por los Estados así como técnicos adicionales en cada uno de los nodos apoyaron la instalación operacional de la REDDIG II. De la misma forma el administrador de la REDDIG en Manaus suministró todo el soporte necesario al jefe instalador de INEO que dirigía las operaciones desde el Centro de Control de la red en Manaus.

1.5 Desde el 13 de enero de 2014 al 5 de febrero de 2015 se tuvieron teleconferencias vía WEB todos los días salvo los domingos, con todos los puntos focales de la REDDIG II para monitorear el avance en la implantación de la REDDIG II y analizar en forma conjunta las actividades previstas durante las pruebas de aceptación provisional de la REDDIG II.

1.6 Adicionalmente a la instalación de la REDDIG II a mediados de marzo de 2015 se iniciaron los trabajos de instalación de la nueva red para el Caribe y Centro América MEVA III por parte de la empresa COMSOFT. La interconexión MEVA III REDDIG II en el nodo REDDIG II de Maiquetía y Bogotá también estuvieron a cargo de esta empresa. La interconexión de la REDDIG II con la MEVA III en Tegucigalpa Honduras estuvo a cargo por la Administración de la REDDIG.

2 Análisis

2.1 Para dar seguimiento a las actividades de implantación y operación de la REDDIG II, a continuación se hace una descripción de las siguientes actividades:

- ✓ Proceso Pruebas de Aceptación Provisional (PSAT)
- ✓ Operación de la REDDIG II post PSAT
- ✓ Repuestos de la REDDIG II
- ✓ Implantación de la interconexión MEVA III REDDIG II.
- ✓ Cuarta Reunión Técnica Operacional de la REDDIG II
- ✓ Curso Whats up gold

Proceso Pruebas de Aceptación Provisional (PSAT)

2.2 Para las pruebas de aceptación provisional se utilizó el documento PSAT - NAT - NT 2022-2141167C rev H, una vez finalizadas las pruebas los puntos focales de la REDDIG II procedieron a la firma del certificado PSAT del 31 de enero al 5 de febrero de 2015 con observaciones en cada uno de los nodos.

2.3 Los resultados de las pruebas PSAT en cada uno de los nodos fueron registrados por los puntos focales en el documento PSAT versión H. En la página WEB (<http://www1.lima.icao.int/reddig>) se encuentran todos los documentos PSAT completados por los puntos focales.

2.4 Un resumen del listado de las actividades pendientes durante la PSAT en cada uno de los nodos se presenta como **Apéndice A** a esta nota de estudio.

2.5 De las actividades pendientes destacan aspectos comunes a todos los nodos como la falta de operación del servicio de telefonía IP destinado para apoyar los centros de control en la gestión del flujo del tránsito aéreo (ATFM), falsas alarmas y calidad de la presentación del sistema de gestión (NMS) de la REDDIG II, la calidad de los mensajes AFTN, pérdida de paquetes por encima de lo permitido en la red terrestre de LEVEL 3 y la actualización de los documentos que contienen los diagramas circuitales producto de las modificaciones efectuadas durante la instalación de los nodos de la REDDIG II.

2.6 Asimismo en los nodos de la REDDIG II que utilizan E1 como Colombia, Ecuador y Perú destaca la falta de funcionamiento de los servicios de voz administrativa conmutada, en Colombia los servicios orales ATS conmutado y dedicado entre Colombia y Panamá y el servicio oral ATS conmutado entre Colombia y CENAMER.

2.7 También se presentaron problemas en la interconexión MHS entre Perú-Colombia, Perú-Ecuador y Argentina –Paraguay así como la conexión asincrónica e IP para el intercambio de datos radar entre Argentina y Uruguay.

Operación de la REDDIG II post PSAT

2.8 La situación de las actividades pendientes a la fecha de elaboración de esta nota de estudio se presentan en el **Apéndice B**. La información sobre los avances en la implantación de las actividades pendientes del Apéndice ha sido llenada por INEO. La columna Q del Apéndice B contiene los comentarios de los Estados y la OACI del avance reportado por INEO. De acuerdo al plan de acción para la solución de las actividades pendientes del Apéndice B la totalidad de las actividades pendientes se completarían para el 10 de abril de 2015. A la fecha se han solucionado los conflictos en las direcciones IP entre la red terrestre y la satelital, el circuito oral ATS entre Guayaquil y CENAMER, el circuito AFTN entre Lima y Manaus y la interconexión AMHS entre Perú y Colombia y Perú Ecuador.

2.9 Durante la instalación operacional de los equipos de la REDDIG II el equipo MODEM 1070 de la cadena A de Lima, el de COCESNA, la pantalla del reloj GPS del nodo de Santiago no funcionaron y tuvieron que ser cambiados por nuevos equipos. Para reponer los MODEM de COCESNA y Perú se utilizaron equipos del banco de repuestos de la REDDIG II y el reloj fue enviado desde fábrica a Chile. Los equipos MODEM 1070 una vez reparados serán enviado a la Oficina SAM de la OACI donde se encuentran el depósito de repuestos.

2.10 INEO de acuerdo al contrato establecido entre la OACI y el consorcio INEO & LEVEL 3 tiene un tiempo de 40 días para resolver todas las actividades pendientes detectadas en la PSAT. A la fecha de elaboración de esta nota de estudio el tiempo de la ORD ha finalizado quedando la mayoría de las actividades pendientes sin completar.

2.11 Para la aceptación final de la REDDIG II faltarían las pruebas de aceptación final FNAT las cuales del mismo modo que las pruebas PSAT serán verificadas y firmadas por los puntos focales de la REDDIG II así de la gerencia del proyecto (OACI). Al respecto los puntos focales no deberán firmar el certificado de la FNAT si hay aspectos pendientes de la PSAT o posteriores detectados durante el periodo de la ORD.

Repuestos de la REDDIG II

2.12 Para almacenar los repuestos de la REDDIG II en la Oficina Regional se adecuó un cuarto en la misma especialmente acondicionado para almacenar repuestos, contando con un equipo para controlar la humedad, un piso anti estático y racks para colocar los equipos.

2.13 El listado de los equipos de la REDDIG II se pueden encontrar en el *Detailed Scope of Supply Version F* que se encuentra en la página WEB <http://www1.lima.icao.int/reddig>, para acomodar y clasificar los repuestos en el cuarto acondicionado se contrató los servicios de Harry Peñaranda, técnico de comunicaciones de la Corporación Peruana de Aeropuertos y Aviación Comercial.

2.14 En el mismo cuarto se encuentra también los equipos de repuestos de la REDDIG I, sobre los equipos de repuestos de la REDDIG I así como del equipamiento de la REDDIG I en los nodos, el

Décimo Octavo Comité de Coordinación de la REDDIG II (Lima, Perú, del 1 al 3 de marzo de 2015) formuló la Conclusión RCC/18 *Disposición de los equipos y repuestos de la REDDIG I* con el fin de que la secretaria explore la factibilidad de disponer del equipamiento y repuesto de la REDDIG I tanto para su venta como otras figuras que pudieran manifestarse e informe de los resultados para inicio del segundo semestre del 2015 a todos los Estados miembros del Proyecto RLA/03/901.

2.15 Al respecto la secretaria procedió a enviar a todos los Estados miembros de la REDDIG la carta SA5112 del 25 de marzo de 2015 consultando acerca de las intenciones que tiene su administración con respecto al equipamiento y repuestos de la REDDIG I y responder para el 15 de mayo de 2015.

Interconexión MEVA III REDDIG II

Interconexión MEVA REDDIG Tegucigalpa Honduras

2.16 Los trabajos de interconexión de la REDDIG II con la red MEVA en Tegucigalpa Honduras se completaron a mediados de febrero de 2015. Las actividades correspondientes a la instalación fueron coordinadas por la Administración de la REDDIG y la empresa INEO.

2.17 La instalación de los equipos para la interconexión de la REDDIG II con la MEVA fue realizada por un técnico especialista de la Corporación Peruana de Aeropuertos y Aviación Comercial (CORPAC) en colaboración con el personal técnico de COCESNA.

2.18 Los trabajos de interconexión consintieron en la instalación física de un Modem satelital NDSatcom 1070 y un Router Cisco 901, en el nodo MEVA de Tegucigalpa y los ajustes requeridos con la REDDIG II y MEVA. Previamente a la instalación INEO había procedido a la programación del router y MODEM.

2.19 Los servicios correspondientes a la interconexión en Honduras consisten en dos circuitos orales ATS CENAMER con el ACC de Guayaquil y CENAMER con el ACC de Bogotá. A la fecha está pendiente el circuito oral ATS entre CENAMER y Bogotá motivado a los retrasos en la instalación de los equipos de la MEVA III en el nodo REDDIG de Bogotá.

2.20 Para la interconexión del nodo MEVAIII de Tegucigalpa (Honduras) con la REDDIG II se procedió a enmendar el documento de proyecto RLA/09/901 entre la OACI (en nombre de todos los Estados miembros de la REDDIG II) y COCESNA para la provisión de servicios en la interconexión por un periodo adicional de cinco años a partir de 1 de abril de 2015.

Interconexión MEVA III REDDIG II en Bogotá y Maiquetía

2.21 Los trabajos de interconexión de la MEVA III con los nodos de la REDDIG II en Bogotá y Maiquetía estuvieron a cargo por la empresa COMSOFT, empresa encargada de la instalación de la MEVA III. Los trabajos de interconexión en Maiquetía se completaron a finales del mes de marzo de 2015, los trabajos en Bogotá están pendientes en vista de los retrasos en Colombia para el retiro de los equipos en la aduana.

2.22 Los equipos utilizados en la interconexión son el Modem satelital Skywan IDU 2570, el multiplexor NETPERFORMANCE SDM 9330 y el SWITCH HP ProCurve 1810-24v2.

2.23 Los servicios implantados en Maiquetía fueron tres circuitos orales ATS conmutado con San Juan de Puerto Rico, Curazao y Aruba, tres líneas calientes en las mismas localidades y dos circuitos

asincrónicos para el circuito AFTN con Curazao y Atlanta. A la fecha todos los servicios están funcionando excepto el circuito AFTN entre Maiquetía y Atlanta.

2.24 Una vez implantado la interconexión en el nodo de Bogotá se tendrán los siguientes servicios: 2 circuitos AFTN asincrónicos con Atlanta (Lima Atlanta. Brasil Atlanta) un circuito asincrónico AFTN con Panamá, tres líneas calientes con Jamaica, Curazao y Panamá y 8 circuitos conmutados ATS.

2.25 Para la interconexión MEVA III REDDIG II en los nodos REDDIG II de Bogotá y Maiquetía se elaboró y firmó un contrato entre la OACI en nombre de todos los Estados miembros de la REDDIG II y COMSOFT (Contrato 2250128 firmado el 14 de noviembre de 2014). El contrato tiene un periodo de cinco años y los servicios empezaran a cancelarse una vez estén en operación.

2.26 Con el fin de coordinar la operación y mantenimiento de la interconexión MEVA III REDDIG II así como el análisis de los nuevos servicios a implantar a corto y mediano de plazo se realizará la primera reunión de coordinación MEVA III REDDIG II en Oranjestad, Aruba, del 25 al 26 de mayo de 2015. En esta reunión cuya carta convocatoria ya fue circulada están invitados todos los Estados miembros de la MEVA III y REDDIG II.

Cuarta Reunión Técnica Operacional de la REDDIG II

2.27 Como parte de las actividades de preparación del personal de los Estados miembros de la REDDIG II que se harán cargo de la operación y mantenimiento de la REDDIG II, se realizó en Manaus, Brasil, del 20 al 21 de abril de 2015 la Cuarta Reunión Técnica Operacional sobre la REDDIG II en la que participaron 21 técnicos de 8 Estados miembros de la REDDIG II.

2.28 En dicho evento los participantes tuvieron la oportunidad de revisar los procedimientos para llevar a cabo las labores de mantenimiento y operación de la REDDIG II, las coordinaciones necesarias entre el personal a cargo del mantenimiento en los nodos de la REDDIG II y el administrador de la REDDIG, el procedimiento para el reporte de las fallas a nivel de la red satelital y terrestre, el procedimiento para el envío y recepción de las partes a reparar y reparadas, el listado de los números telefónicos de la red administrativa de voz para las coordinaciones de mantenimiento y operación y el nuevo manual con los procedimientos de mantenimiento y operación de la REDDIG II.

Curso Whats Up gold

2.29 Con el fin de profundizar los conocimientos sobre el sistema de gestión de la nueva REDDIG II, se realizó en Manaus, Brasil, del 21 al 24 de abril un curso especializado sobre el manejo de la aplicación Whats Up Gold. El curso fue dictado por una empresa de Brasil especialista en el tema llamada MENTAT.

3 Acciones sugeridas

3.1 Se invita a la Reunión a:

- a) Tomar nota de la información presentada;
- b) analizar las acciones indicadas en la sección 2 de esta nota de estudio y los respectivos apéndices; y
- c) analizar otras consideraciones al respecto que la Reunión considere necesario.

APENDICE A

**RESUMEN DE LAS OBSERVACIONES EFECTUADAS POR LOS PUNTOS FOCALES
DURANTE LA PSAT**

ESTADO	NODO	FECHA PSAT	OBSERVACIONES
Argentina	Ezeiza	2/2/15	<ul style="list-style-type: none"> • Falta enmendar diagramas circuitales • Calidad telefonía IP pésima red terrestre y satelital • Pendiente pruebas BER circuitos AFTN • Falsas alarmas en los puertos seriales del CISCO IA • Niveles de transmisión bajos SKYWAN A y B • Número de emergencia dedicado GBB router (Fig 46. se comunica con Manaos con el número 73601 y no con el número indicado en la tabla de la figura 46 • Pérdida de paquetes en la red terrestre Manaos, Recife, Guyana, Paraguay y Surinam • No se suministra el acceso a la página WEB de LEVEL 3 para la gestión de servicio. • Dos conectores RJ45 del Patch Panel dañados
Bolivia	La Paz	2/2/15	<ul style="list-style-type: none"> • Sin observaciones
Brasil	Curitiba	2/2/15	<ul style="list-style-type: none"> • Sin observaciones
	Manaos	5/2/15	<ul style="list-style-type: none"> • Circuito AFTN Manaos Lima no funciona • Pendiente actualización de diagramas circuitales • La pérdida de paquetes en la red terrestre están por encima de lo que especifica el SLA de LEVEL 3 • Pruebas en los circuitos administrativos, conmutados ATS y AFTN realizados en una sola cadena en la red terrestre • Teleconferencia IP no trabaja de acuerdo a las especificaciones técnicas limitada a 10 usuarios • Calidad de la imagen no mejorada aspecto pendiente desde la FAT

ESTADO	NODO	FECHA PSAT	OBSERVACIONES
			<ul style="list-style-type: none"> • Canal administrativo con Ecuador no opera • Observación pendiente desde la FAT: En caso de falla del servidor central del NMS en Manaos el servidor de reserva de Ezeiza debería asumir todas las funciones del servidor central con todas las atribuciones de monitoreo y control sobre todas las estaciones • Falta pruebas BER en canales AFTN • Falta pruebas SAT LOOP BER TEST • Pruebas pendiente en circuitos orales ATS, administrativos AFTN en una de las cadenas de la red satelital
	Recife	30/1/15	<ul style="list-style-type: none"> • Pérdida de paquetes en la red terrestre LEVEL 3 con todos los nodos • Pendiente pruebas BER AFTN Falsa alarma NMS (IBUC) y RX 1 + 1
Chile	Santiago	1/2/15	<ul style="list-style-type: none"> • Dañada pantalla del reloj GPS • NMS: refresco cambios de estados muy lento • Calidad de la imagen no mejorada aspecto pendiente desde la FAT • WEB IBUC: La indicación de voltaje no corresponde al valor real • Pendiente actualización de los diagramas • Circuito AFTN con Lima no operativo • Pendiente prueba BER AFTN
Colombia	Bogotá	1/2/15	<ul style="list-style-type: none"> • Circuito oral ATS Bogotá Panamá no funciona • Circuito AMHS con Perú no funciona
Ecuador	Quito	1/2/15	<ul style="list-style-type: none"> • Circuitos de voz administrativos no operativos • Pérdida de paquetes red terrestre Level 3 con Manaos, Recife

ESTADO	NODO	FECHA PSAT	OBSERVACIONES
			Guyana Uruguay <ul style="list-style-type: none"> • Pruebas BER AFTN pendientes • Prueba Tx switch (7.1.1) no pasó • Voz IP teleconferencia calidad pésima • Falsas alarmas de operación de las interfaces seriales y E1 • Pendiente prueba de circuito de voz test entre Guayaquil y CENAMER
French Guyana	Cayenne	2/2/15 Falta firma INEO	<ul style="list-style-type: none"> • El conector de energía del teléfono IP no funciona • Diagramas circuitales incorrectos (WVG) • Dificultad leer la dirección IP del WVG • Error en la interface LAN no trabaja • Modem B no va en verde cuando se enciende • Problema posterior con el circuito AFTN con Manaos
Guyana	Georgetown	5/2/15 Falta firma INEO	<ul style="list-style-type: none"> • No hay indicación de status en uno de los switches en el MAP VIEW • No se puede hacer setting en las interfaces de voz
Paraguay	Asunción	2/2/15	<ul style="list-style-type: none"> • Alarma sonora de la UPS en modo batería, prácticamente inaudible • No se cuenta con el antivirus que se halla especificado en el Documento REDDIG II SDD Scope of Supply Rev. F • El breaker Q5 presenta un falso contacto por lo que deberá ser cambiado • No se configuro la línea Administrativa IP • La gráfica de representación de los equipos en los nodos en el NMS no ha sido mejorada, tal como se había observado en la FAT • Al realizar la prueba de redundancia del Capítulo 7 Pag. 70/125 de la PSAT, las IBUCs no indican las fallas y no conmutan

ESTADO	NODO	FECHA PSAT	OBSERVACIONES
			<p>automáticamente</p> <ul style="list-style-type: none"> • El puerto serial 0/0/0 del router GBB presenta una falla en donde pierde paquetes en Recepción, por lo cual la tarjeta 2-Port Async/Sync Serial WAN Interface Card debe ser reemplazada • Pendiente actualización de los diagramas circuitales • Pérdida de paquetes en la red terrestre LEVEL 3 con Bolivia , Recife (Muy alta), Colombia, French Guyana, Guyana y Uruguay
Perú	Lima	3/2/15	<ul style="list-style-type: none"> • Circuito AFTN con Manaos y Santiago inoperativos • MODEM 1070 cadena A inoperativo • La gráfica de representación de los equipos en los nodos en el NMS no ha sido mejorada, tal como se había observado en la FAT • Falta actualización de los diagramas circuitales • Pérdida de paquetes red terrestre Level 3 con Argentina, Manaos, Colombia, Guyana y Venezuela • Número ATS d no corresponde • Pruebas cadena A satelital no realizadas por falla del MODEM cadena A • Prueba BER no realizada • Pendiente pruebas fallas de equipos (Sección 7.3) • Errores plan de discado circuitos administrativos • Calidad voz IP teleconferencia no satisfactoria
Surinam	Paramaribo		<ul style="list-style-type: none"> • Presenta perdidas de paquetes en la red terrestre LEVEL 3 con Argentina, Manaos, Recife (muy alta). Chile, Colombia, Ecuador, Guyana y Uruguay • Pendiente pruebas BER • Teleconferencia IP solo con diez usuarios

ESTADO	NODO	FECHA PSAT	OBSERVACIONES
Trinidad &Tobago	Piarco	4 /2/15 Falta firma de INEO	<ul style="list-style-type: none"> • NMS: refresco cambios de estados muy lento • Calidad de la imagen no mejorada aspecto pendiente desde la FAT • Teleconferencia IP solamente trabaja con 11 usuarios no cumple con las especificaciones técnicas de la REDDIG • No hay conmutación automática en el IBUC en caso de falla solamente conmuta cuando se apaga la energía • Perdida de paquetes en la red terrestre LEVEL 3 con Curitiba y Ecuador.
Uruguay	Montevideo	2/2/15	<ul style="list-style-type: none"> • Falta actualización de los planos con los diagramas circuitales • Unidad 1070 cadena B no enciende luz verde aun cuando opera bien • Falta cambiar Feed Horn • NMS: refresco cambios de estados muy lento • Calidad de la imagen no mejorada aspecto pendiente desde la FAT • Falta instalar antivirus en el NMS • El NMS presenta información incorrecta • Pendiente pruebas BER • La versión entregada de software para la VPN remota no es acorde al manual enviado para su instalación, no pudiendo instalarse según lo sugerido por INEO • Perdidas de paquetes en la red terrestre LEVEL 3 con Bolivia, French Guyana, Surinam, Trinidad &Tobago y Venezuela
Venezuela	Maiquetía	31/1/2015	<ul style="list-style-type: none"> • No se observa el switcheo automático en el RSS

APÉNDICE B / APPENDIX B

REDDIG-II - Pending issues																
Item Number	STATUS	TYPE O/M	CRITICITY	Country	Node	City		Outstanding issues	Opening date	Action(s) to be performed	COMMENTS	Current update	Expecting closing date	Real closing date	ICAOand States commentaries 23 april 2015	
P4SAEZ02051	CLOSED	P	4	Argentina	SAEZ	Ezeiza	1	Falta enmendar diagramas circuitales	5 February 2015	As-built under realization		27/03/2015 includes finalization of drawings by AIA office 27/03/2015 Plans, documents completed, to be signed on Monday 30th March 2015 Proof of delivery to the end user at your disposal	16th-March-2015 20th-March-2015	20/04/2015		Not closed Documents and CD received Pending completion of revision by States 15th May
P3SAEZ02052	ON PROGRESS	P	3	Argentina	SAEZ	Ezeiza	2	Calidad telefonía IP pésima red terrestre y satelital	5 February 2015	1/ Diagnostic of the current configuration 2/ New configuration to be proposed after analysis 3/ Configuration implemented, to be tested (12/03)		05/03/2015 => diagnostic still on progress 13/03/2015 => modem configuration changed, test pending. 27/03/2015 => tests achieved with Manaus unsuccessful	4th-March-2015 20th-March-2015 4th-April-2015 24th April 2015		Noted the new date 24th April	
P4SAEZ02053	ON PROGRESS	P	4	Argentina	SAEZ	Ezeiza	3	Pendiente pruebas BER circuitos AFTN	5 February 2015		During the PSAT, it appears that this test was not the priority. Now, it's difficult to perform it because it means that States will have to cut the services. If requested by ICAO, it could be done during the ORD period with the local FP and INEO coordination	27/11/15 => Procedure for BER test targeted Marsh 02th => expected coordination from ICAO-Lima and FP to proceed 06/03/15 => waiting for a new diagnostic after Lima analysis 12/03/2015 => AFTN test conducted between SAEZ and SUMU and then will be spread 27/03: new tested to be conducted at SUMU and SAEZ. In addition to that, hardware was bought by INEO to perform tests at INEO facility 10/04/2015 => INEO engineer sent at Guayaquil for network-wide test.	4th-March-2015 20th-March-2015 4th-April-2015 24th April 2015		Noted the new date 24th April	
P4SAEZ02054	solution identified	P	3	Argentina	SAEZ	Ezeiza	4	Falsas alarmas en los puertos seriales del CISCO IA	5 February 2015	1/ Diagnostic of the current configuration of the NMS 2/ New version of the NMS	NMS works in progress	05/03/15 => Problem identified => Implementation of the solution in progress 27/03/2015: tests achieved appears to be a communication instability between NMS and routers, as SSH connection is very sensitive	4th-March-2015 20th-March-2015 4th-April-2015 24th April 2015		Noted the new date 24th April	
P2SAEZ02055	ON PROGRESS	P	2	Argentina	SAEZ	Ezeiza	5	Niveles de transmisión bajos Skywan A y B	5 February 2015	1/ Remote diagnostic 2/ Remote intervention by INEO Expert		17/03/2015 => INEO technician will go to SAEZ to check hardware 27/03/2015 => INEO technician checked cables and W/G, an antenna pointing will be achieved. 10/04/2015 => INEO technician mission is being scheduled for antenna pointing check.	4th-March-2015 20th-March-2015 4th-April-2015 24th-April-2015 08th May 2015		Some action was made but the RF level still low. Noted new date 8th May	
P3SAEZ02056	CLOSED	P	3	Argentina	SAEZ	Ezeiza	6	Numero de emergencia dedicado GBB router (Fig 46. se comunica con Manaus con el numero 73601 y no con el numero indicado en la tabla de la figura 46	5 February 2015	To be corrected		27/03/2015 => targeted 04/03/2015 06/03/2015 => email send to clarify	4th March 2015	04/03/2015	Not Closed During the test of 01 April, employing the GBB router, there was no communication with SBMN	

REDDIG-II - Pending issues														
Item Number	STATUS	TYPE O/M	CRITICITY	Country	Node	City	Outstanding issues	Opening date	Action(s) to be performed	COMMENTS	Current update	Expecting closing date	Real closing date	ICAOand States commentaries 23 april 2015
P2SAEZ02057	Closed	P	2	Argentina	SAEZ	Ezeiza	7 Perdida de paquetes en la red terrestre Manaus, Recife, Guyana, Paraguay y Surinam.	5 February 2015	Information transmitted to level 3 -> Waiting for the solution proposed and the ECD (Expecting Closing Date)		25/02/2015 => New request transmitted to Level 3. 05/03/2015 => individual tests to be performed. 27/03/2015 => tests conducted by LE were successful, except French Guiana. Procedure sent on 27th of March for individual tests.	10th April 2015	LEVEL 3	Not closed On 01 April the test result was OK for Ezeiza except French Guyana, Suriname and Trinidad & Tobago
P3SAEZ02058	Closed	P	3	Argentina	SAEZ	Ezeiza	8 No se suministra el acceso a la página WEB de LEVEL 3 para la gestión de servicio	5 February 2015	Information transmitted to level 3 -> Waiting for the solution proposed and the ECD (Expecting Closing Date)			LEVEL 3	OK The user name and password to access LEVEL was sent March 27th	
P4SAEZ02059	closed	P	4	Argentina	SAEZ	Ezeiza	9 Dos conectores RJ45 del Patch Panel dañados	5 February 2015	To be corrected - New connectors will be sent to FP		08/04/2015 => Delivery cancelled due to AFIP restrictions (cf. mail Javier Vittor 08/04/2015)	08/04/2015	OK	OK
P2SAEZ022410	ON PROGRESS	P	2	Argentina	SAEZ	Ezeiza	10 Continue intermittent problem in the AFTN circuit between Argentina and Brazil, Uruguay and Paraguay. Controllers report lost of flight plan	25 February 2015	Under analysis		27/11/15 => Procedure for BER test targeted Marsh 02h => expected coordination from ICAO-Lima and FP to proceed 06/03/2015 => waiting for a new diagnostic after Lima analysis 12/03/2015 => AFTN test conducted between SAEZ and SUMU and then will be spread 27/03/2015 => new tested to be conducted at SUMU and SAEZ. In addition to that, hardware was bought by INEO to perform tests at INEO facility 10/04: INEO engineer sent at Guayaquil for network-wide test.	4th-March-2015 29th-March-2015 4th-April-2015 24th April 2015		Noted the new date 24th April
-							11 AMHS circuit between Ezeiza and Asunción	5 February 2015						Pending issue not solved
O1SLLP17021	closed	O	1	Bolivia	SLLP	La Paz	1 Communication problem with Manaus according to the email from ICAO (17th Feb.)	17 February 2015	OSPF Pb under analysis -> Looking for a technical solution to be implemented	diagnostic on course after identification of the problem on the routing table with Level 3 expected resolution for 25/02	25/02/2015 => New configuration will be tested by Level 3 as a facility on all nodes. 01/03: reconfiguration made by our Case support (SOE) verified. 27/02/2015 => New configuration implemented, solution pending under validation. 05/03/2015 => Improvement of the routing observed, but still to be confirmed. 12/03/2015: communciation test achieved with SOCA, pending test with SLLP	06-March-2015 Test to be performed on 10th March 2015 test performed successfully		OK

REDDIG-II - Pending issues														
Item Number	STATUS	TYPE O/M	CRITICITY	Country	Node	City	Outstanding Issues	Opening date	Action(s) to be performed	COMMENTS	Current update	Expecting closing date	Real closing date	ICAOand States commentaries 23 april 2015
P2SBMN02051	solution identified	P	2	Brazil	SBMN	Manaus	1 Circuito AFTN Manaus Lima no funciona	5 February 2015	1/ Check of the Cisco configuration 2/ Local check-up with one of our expert (on-site) in Lima As soon as we have define where exactly is the problem, INEO E&S will correct the bugg.	Problem identified	25/02/2015 => Test must be conducted in cooperation with Manaus AFTN center and REDDIG-II technical persons, waiting for their availability. 05/03/2015 => Problem solved, distrubings still appear but were already identified in Reddig I 10/04/2015 => INEO engineer sent at Guayaquil for network-wide test. Improvement was noticed by Corpac	10th-March-2015 20th-March-2015 10th-April-2015 24th April 2015		Solved but not closed pending intermittent loss of AFTN messages
P4SBMN02052	CLOSED	P	4	Brazil	SBMN	Manaus	2 Pendiente actualización diagramas circuitales	5 February 2015	As-built under realization		Closing date includes finalization of drawings for ALL sites 27/03 documents achieved to be signed on Monday 30th March 2015 Proof of delivery to the end user at your disposal	16th-March-2015 29th-March-2015	20/04/2015	Not closed Documents and CD received Pending completion of revision by States 15th May
P3SBMN02053	Closed	P	3	Brazil	SBMN	Manaus	3 La pérdida de paquetes en la red terrestre están por encima de lo que especifica el SLA de LEVEL 3	5 February 2015	Information transmitted to level 3 -> Waiting for the solution proposed and the ECD (Expecting Closing Date)		26/02/2015 => New request transmitted to level 3 06/03/2015 => Technical tests were performed 27/03: tests conducted by LE were successful, except French Guiana. Procedure sent on 27th of March for individual tests.	10th April 2015	LEVEL 3	Not closed On 01 April the test result was OK for Manaus except French Guyana, Suriname and Trinidad & Tobago
P3SBMN02054	CLOSED	P	3	Brazil	SBMN	Manaus	4 Pruebas en los circuitos administrativos, conmutados ATS y AFTN realizados en una sola cadena en la red terrestre	5 February 2015	During the PSAT, it appears that this test was already performed. It could be easily checked, and upon request by ICAO, it could be done during the ORD period with the local FP and INEO remote coordination		27/02/2015 => INEO technician will conduct test on site on 26/03/15 05/03/15 => Test done with success	23th-February-2015	05/03/2015	OK closed
P4SBMN02055	solution identified	P	4	Brazil	SBMN	Manaus	5 Teleconferencia IP no trabaja de acuerdo a las especificaciones técnicas limitada a 10 usuarios	5 February 2015	1/ Diagnostic of the current licence 2/ New 16 users licences to be provided after analysis		05/03: Hardware limitation found, solution to be provided. Will be codec change or hardware addition	10th-March-2015 20th-March-2015 10th-April-2015 24th April 2015		Still pending issue the IP telephone is general problem the new date now is 24th April
P4SBMN02056	CLOSED	P	4	Brazil	SBMN	Manaus	6 Calidad de la imagen no mejorada aspecto pendiente desde la FAT	5 February 2015	1/ Diagnostic of the current configuration of the NMS 2/ New version of the NMS	NMS works in progress	05/03/15 => Problem identified => Implementation of the solution in progress 12/03 => new NMS aspect approved by OACI (L.Alejos email of 12/03), to be deployed in all site	20th-February-2015 06-March-2015 06th-March-2015 24th April 2015		OK in progress noted new date 24th April
P3SBMN02057	CLOSED	P	3	Brazil	SBMN	Manaus	7 Canal administrativo con Ecuador no opera	5 February 2015	1/ Analysis of the Cisco Configuration 2/ Correction to be proposed	To be solved from Ecuador side	02/03/15 => new configuration sent to Ecuador, pending tests 05/03/2015 => test achieved, still not operational 27/03/2015 => Cisco expert will assist in the next days on site 10/04/2015 => INEO engineer sent at Guayaquil	16th-March-2015 20th-March-2015 10th-April-2015 24th April 2015	20/04/2015	OK

REDDIG-II - Pending issues														
Item Number	STATUS	TYPE O/M	CRITICITY	Country	Node	City	Outstanding issues	Opening date	Action(s) to be performed	COMMENTS	Current update	Expecting closing date	Real closing date	ICAOand States commentaries 23 april 2015
P3SBMN02058	CLOSED	P	3	Brazil	SBMN	Manaus	8 Observación pendiente desde la FAT. En caso de falla del servidor central del NMS en Manaus el servidor de reserva de Ezeiza debería asumir todas las funciones del servidor central con todas las atribuciones de monitoreo y control sobre todas las estaciones	5 February 2015	1/ Diagnostic of the current configuration of the NMS 2/ New version of the NMS	NMS works in progress	27/02/15 => Problem identified => Solution will be implemented 04/03/15 06/03/15 => solution implemented 06/03/15 => solution implemented 20/04/2015 => Complementary tests to be done by ICAO to confirm the pb is solved	06th February 2015 06th March 2015		Solved but not closed missing the respective test to verify if the transference are working properly
P4SBMN02059	ON PROGRESS	P	4	Brazil	SBMN	Manaus	9 Falta pruebas BER en canales AFTN	5 February 2015	During the PSAT, it appears that this test was not the priority. Now, it's difficult to perform it because it means that States will have to cut the services. If requested by ICAO, it could be done during the ORD period with the local FP and INEO coordination		27/11/15 => Procedure for BER test targeted Marsh 02th => expected coordination from ICAO-Lima and FP to proceed 06/03/15 => waiting for a new diagnostic after Lima analysis 12/03/2015: AFTN test conducted between SAEZ and SUMU and then will be spread 27/03/2015 => new tested to be conducted at SUMU and SAEZ. In addition to that, hardware was bought by INEO to perform tests at INEO facility 10/04/2015 => INEO engineer sent at Guayaquil for network-wide tes	10th-March-2015 20th-March-2015 10th-April-2015 24th April 2015		Pending BER Test. Noted new date 24 April
P4SBMN020510	solution identified	P	4	Brazil	SBMN	Manaus	10 Falta pruebas SAT LOOP BER TEST	5 February 2015	During the PSAT, it appears that this test was not the priority. Now, it's difficult to perform it because it means that States will have to cut the services. If requested by ICAO, it could be done during the ORD period with the local FP and INEO coordination		27/02/2015 => INEO technician will conduct the test on site, on 30/03/15 06/03/15 => As talked during teleconference, the test requires to shutdown the whole satellite network. Need to confirm and coordinate it. 12/03/2015: procedure sent, pending on test to be coordinated by ICAO	10th-March-2015 20th-March-2015 10th-April-2015 24th April 2015		Even though you send a procedure the SAT BER LOOP TEST has to be made in all the node under your coordination
P4SBMN02011	CLOSED	P	4	Brazil	SBMN	Manaus	11 Pruebas pendiente en circuitos orales ATS , administrativos AFTN en una de las cadenas de la red satelital	5 February 2015	During the PSAT, it appears that this test was already performed. It could be easily checked, and upon request by ICAO, it could be done during the ORD period with the local FP and INEO remote coordination		27/02/2015 => INEO technician will conduct the test on site 06/03/2015 => Waiting for Result report	06th February 2015 10th March 2015	10/03/2015	OK solved
P1SBRF05021	Closed	P	2	Brazil	SBRF	Recife	1 Perdida de paquetes en la red terrestre LEVEL 3 con todos los nodos	5 February 2015	Information transmitted to level 3 -> Waiting for the solution proposed and the ECD (Expecting Closing Date)		28/02/2015 => New request transmitted to level 3 06/03/2015 => individual tests to be performed 27/03: tests conducted by LEVEL 3 were succesful, except French Guiana. Procedure sent on 27th of March for individual tests.	10th April 2015	LEVEL 3	Not closed On 01 April the test result was OK for Recife except French Guyana, Suriname and Trinidad & Tobago

REDDIG-II - Pending issues														
Item Number	STATUS	TYPE O/M	CRITICITY	Country	Node	City	Outstanding issues	Opening date	Action(s) to be performed	COMMENTS	Current update	Expecting closing date	Real closing date	ICAOand States commentaries 23 april 2015
P4SBRF05022	ON PROGRESS	P	4	Brazil	SBRF	Recife	2 Pendiente pruebas BER AFTN	5 February 2015	During the PSAT, it appears that this test was not the priority. Now, it's difficult to perform it because it means that States will have to cut the services. If requested by ICAO, it could be done during the ORD period with the local FP and INEO coordination		27/11/15 => Procedure for BER test targeted Marsh 02h => expected coordination from ICAO-Lima and FP to proceed 06/03/15 => waiting for a new diagnostic after Lima analysis 12/03/2015; AFTN test conducted between SAEZ and SUMU and then will be spread 27/03/2015 => new tested to be conducted at SUMU and SAEZ. In addition to that, hardware was bought by INEO to perform tests at INEO facility 10/04/2015 => INEO engineer sent at Guayaquil for network-wide tes	40h-March-2015 20h-March-2015 40h-April-2015 24th April 2015		Pending BER Test. Noted the new date 24th April
P3SBRF05023	ON PROGRESS	P	3	Brazil	SBRF	Recife	3 Falsa alarma NMS (IBUC) y RX 1 + 1	5 February 2015	1/ Diagnostic of the current configuration of the NMS 2/ New version of the NMS	NMS works in progress	05/03/2015 => Problem identified => Implementation of the solution in progress, to be achieved on 09/03/15 23/03/2015 => new NMS problem identified: graphical issue on representation 10/04/2015 => INEO technician mission scheduled.	40h-March-2015 20h-March-2015 40h-April-2015 24th April 2015		Noted the new date of 24th April
x				Brazil	SBCT	Curitiba	1 Switching of LNB does not work							Pending issue This failure appeared during initial installation
P3SCEL05021	CLOSED	P	3	Chile	SCEL	Santiago	1 Dañada pantalla del reloj GPS	5 February 2015	New equipment received in INEO Premises. Will be sent to the site asap		27/02/2015 => coordination with FP for installation in progress 04/03/2015 => New equipment sent 04/03/15: waiting for final equipment to be received by FP 09/03/2015 => equipment received 20/04/2015 => new equipment received, installed and correctly working (recovery of faulty equip to be organize by INEO)	06h-March-2015 06h-March-2015 06h-March-2015 17h-March-2015	20/04/2015	OK Closed Chile is in the process to send back the damaged equipment
P3SCEL05022	CLOSED	P	3	Chile	SCEL	Santiago	2 NMS: refresco cambios de estados muy lento	5 February 2015	1/ Diagnostic of the current configuration of the NMS 2/ New version of the NMS	NMS works in progress	05/03/2015 => local NMS it seems correct refresh. For the distant NMS it is not possible to improve it due to satellite lat	06h-March-2015 6th March 2015	06/03/2015	Not closed Still low the refresh status
P3SCEL05023	CLOSED	P	3	Chile	SCEL	Santiago	3 Calidad de la imagen no mejorada aspecto pendiente desde la FAT	5 February 2015	1/ Diagnostic of the current configuration of the NMS 2/ New version of the NMS	NMS works in progress	05/03/2015 => Problem identified => Implementation of the solution in progress 02/04 => new NMS version approved by ICAO (Lima email of 12/03) to be deployed in all site	06h-March-2015 06h-March-2015 17th March 2015	17/03/2015	OK
P3SCEL05024	CLOSED	P	3	Chile	SCEL	Santiago	4 WEB IBUC : La indicación de voltaje no corresponde al valor real	5 February 2015	1/ Diagnostic of the current configuration of the NMS 2/ New version of the NMS	NMS works in progress	05/03/2015 => Problem identified => Implementation of the solution in progress, to be achieved on 09/03/15	06h-March-2015 06h-March-2015 24th April 2015		Not closed Chile reported that the problem was not solved

REDDIG-II - Pending issues														
Item Number	STATUS	TYPE O/M	CRITICITY	Country	Node	City	Outstanding issues	Opening date	Action(s) to be performed	COMMENTS	Current update	Expecting closing date	Real closing date	ICAOand States commentaries 23 april 2015
P4SCEL05025	CLOSED	P	4	Chile	SCEL	Santiago	5 Pendiente actualización de los diagramas	5 February 2015	As-built under realization		Closing date includes indication of drawings for ALL sites 27/03/2015 documents achieved to be shipped on Monday 30th March 2015 Proof of delivery to the end user at your disposal	16th-March-2015 20th-March-2015 24th-April-2015	20/04/2015	Not closed Documents and CD received Pending completion of revision by States 15th May
P1SCEL05026	CLOSED	P	1	Chile	SCEL	Santiago	6 Circuito AFTN con Lima no operativo	5 February 2015	1/ Check of the Cisco configuration 2/ Local check-up with one of our expert As soon as we have define where exactly is the problem, INEO E&S will correct the bugg.	requested to FP to check cabling and RJ45 adaptor potential problem	27/11/15 => Procedure for BER test targeted Marsh 02h => expected coordination from ICAO-Lima and FP to proceed 06/03/15 => waiting for a new diagnostic after Lima analysis 12/03/2015 => AFTN test conducted between SAEZ and SUMU and then will be spread 27/03/2015 => new tested to be conducted at SUMU and SAEZ. In addition to that, hardware was bought by INEO to perform tests at INEO facility 10/04/2015 => INEO engineer sent at Guayaquil for network-wide test 20/04/2015 solved as per email 15/04: Estimado Clement, Te informo que la AFTN con Lima esta ok, durante dos horas no han pedido repeticiones.	16th-March-2015 20th-March-2015 24th-April-2015	20/04/2015	Not closed. Pending the intermittent problem of loss of AFTN messages as per email 21/04: Respecto a la AFTN tanto de LIMA y Ezeiza, disminuyeron las solicitudes de repeticiones de retransmisión, pero se tiene un promedio de 3 a 4 repeticiones por hora en ambos circuitos.
P4SCEL05027	ON PROGRESS	P	4	Chile	SCEL	Santiago	7 Pendiente prueba BER AFTN	5 February 2015	During the PSAT, it appears that this test was not the priority. Now, it's difficult to perform it because it means that States will have to cut the services. If requested by ICAO, it could be done during the ORD period with the local FP and INEO coordination		27/11/15 => Procedure for BER test targeted Marsh 02h => expected coordination from ICAO-Lima and FP to proceed 06/03/15 => waiting for a new diagnostic after Lima analysis 12/03/2015 => AFTN test conducted between SAEZ and SUMU and then will be spread 27/03/2015 => new tested to be conducted at SUMU and SAEZ. In addition to that, hardware was bought by INEO to perform tests at INEO facility 10/04/2015 => INEO engineer sent at Guayaquil for network-wide test	16th-March-2015 20th-March-2015 24th-April-2015		Still pending the BER test. Noted the new date 24th April

REDDIG-II - Pending issues														
Item Number	STATUS	TYPE O/M	CRITICITY	Country	Node	City	Outstanding issues	Opening date	Action(s) to be performed	COMMENTS	Current update	Expecting closing date	Real closing date	ICAOand States commentaries 23 april 2015
P1SCEK05021	solution identified	P	1	Colombia	SKED	Bogota	1 Circuito oral ATS Bogota Panamá no funciona	5 February 2015	1/ Analysis of the current configuration 2/ Expert to come on site to finalise the analysis and correct the problem	on site diagnostic to be conducted 21/02	25/02/2015 => INEO expert on investigation on site in coordination with FP and PABX local provider => Close cooperation with those persons is expected to address the problem properly 27/02/2015 => Information on PBX received from provider. New configuration implemented by 02/03/2015 05/03/15 => still on progress with active collaboration of all members concerned 12/03/2015 => test today with E1 R2 and no longer E1 E&M 16/03/2015 => configuration changed to E1R2 still the same issue 27/03/2015 => A Cisco expert will assist us for the test on April 3rd 10/04/2015 => MEVA III is being installed at Bogota. Configuration files are required.	10th-March-2015 20th-March-2015 10th April 2015		Even though numerous action made the circuit still out of service.
P1SCEK05022	CLOSED	P	1	Colombia	SKED	Bogota	2 Circuito AMHS con Peru no funciona	5 February 2015	1/ Local diagnostic with our expert (on-site) in Lima 2/ Solutions to be implemented after diagnostic	Resolution pending of the item P2SBMN02051	20/02/2015 => Local IP address was needed between AMHS system and Reddig-II configuration => Member states must be responsible for the NAT translation between the two systems => Expecting action from ICAO 05/03/2015 => Status & configuration update added to CORPAC for consideration 20/03/2015 => Configuration update was implemented on the system 20/04/2015 ping => AMHS is working (see email from CORPAC 20/04)	10th-March-2015 20th-March-2015 10th April 2015	20/04/2015	OK. Circuit under evaluation by the respective AMHS Messages Centers
-				Colombia	SKED	Bogota	3 Administrative voice circuits are not separated from Operational group inside the router.							Pending issue
P2SEGU05021	closed	P	2	Ecuador	SEGU	Guayaquil	1 Circuitos de voz administrativos no operativos	5 February 2015	1/ Analysis of the current configuration 2/ Expert to come on site to finalise the analysis and correct the problem	Analysis in progress	12/03/2015 - configuration sent to be implemented 15/03 - configuration did not solve the issue. It improved communication of most stations 27/03 A Cisco expert will assist us for the test on April 3rd	10th-March-2015 20th-March-2015 10th April 2015		OK
P2SEGU05022	Closed	P	2	Ecuador	SEGU	Guayaquil	2 Perdida de paquetes red terrestre Level 3 con Manaos, Recife Guyana Uruguay	5 February 2015	Information transmitted to level 3 -> Waiting for the solution proposed and the ECD (Expecting Closing Date)		25/02/2015 - New request transmitted to level 3 05/03/2015 => individual tests were performed 27/03/2015 => tests conducted by LE were successful, except French Guiana. Procedure sent on 27th of March for individual tests.	10th April 2015	LEVEL 3	Not closed On 01 April the test result was OK for Guayaquil except French Guyana, Suriname and Trinidad & Tobago

REDDIG-II - Pending issues														
Item Number	STATUS	TYPE O/M	CRITICITY	Country	Node	City	Outstanding issues	Opening date	Action(s) to be performed	COMMENTS	Current update	Expecting closing date	Real closing date	ICAOand States commentaries 23 april 2015
P4SEGU05023	ON PROGRESS	P	4	Ecuador	SEGU	Guayaquil	3 Pruebas BER AFTN pendientes	5 February 2015	During the PSAT, it appears that this test was not the priority. Now, it's difficult to perform it because it means that States will have to cut the services. If requested by ICAO, it could be done during the ORD period with the local FP and INEO coordination		27/11/15 => Procedure for BER test targetted Marsh 02h => expected coordination from ICAO-Lima and FP to proceed 06/03/15 => waiting for a new diagnostic after Lima analysis 12/03/2015: AFTN test conducted between SAEZ and SUMU and then will be spread 27/03: new tested to be conducted at SUMU and SAEZ. In addition to that, hardware was bought by INEO to perform tests at INEO facility 10/04: INEO engineer sent at Guayaquil for network-wide test	10th-March-2015 20th-March-2015 10th-April-2015 24th April 2015		Still pending the BER test. Noted the new date of 24th April
P3SEGU05024	CLOSED	P	3	Ecuador	SEGU	Guayaquil	4 Prueba Tx switch (7.1.1) no pasó	5 February 2015	After analysis, it appears that the IBUC needs to be updated. To do so, we need to be connected directly to the equipment. INEO requests from ICAO the support from the local FP in order to perform this action.		27/02/2015 => Procedure to be sent by INEO to FP as per item 7 of P1SCEK05024 (closed) 09/03/2015 => procedure sent, but power connector must be tightened before upload for this solution. Issues resolved in other nodes 09/03/2015 => problem solved according to email from Raul Avellan of 09/03	28 February 2015	28/02/2015	OK solved
P3SEGU05025	ON PROGRESS	P	3	Ecuador	SEGU	Guayaquil	5 Voz IP teleconferencia calidad pésima	5 February 2015	1/ Diagnostic of the current configuration 2/ New configuration to be proposed after analysis 3/ Configuration implemented, to be tested (12/03)		05/03 => diagnostic still on progress 13/03 => modem configuration changed, test pending 27/03 => tests achieved with Manaus unsuccessful	10th-March-2015 20th-March-2015 10th-April-2015 24th April 2015		Still pending, we expect the IP telephone will be ready at new date 24th April
P3SEGU05026	solution identified	P	3	Ecuador	SEGU	Guayaquil	6 Falsas alarmas de operación de las interfaces seriales y E1	5 February 2015	1/ Diagnostic of the current configuration of the NMS 2/ New version of the NMS	NMS works in progress	05/03/15 => Problem identified => Implementation of the solution in progress 27/03/2015: testes achieved appears to be a communication instability between NMS and routers, as SSH connection is very sensitive	10th-March-2015 20th-March-2015 10th-April-2015 24th April 2015		OK action on progress but not completed. Noted the new date 24th April
P4SEGU05027	Closed	P	4	Ecuador	SEGU	Guayaquil	7 Pending ATS voice circuit test between Guayaquil and CENAMER	5 February 2015	1/ Analysis of the current configuration 2/ Pending to interconnection between Bogota/Maiquetia and Honduras	resolution pending of the item P1SCEK05021	05/03/2015 Connection tests achieved, phone number assigned in CENAMER. Remaining Shown instability in 10th-April-2015 27/03: instability solved 20/04/2015 => On monitoring	10th-March-2015 20th-March-2015 10th-April-2015 20/ March 2015		OK Solved but not closed the circuit is under observation
P4SOCA05021	Closed	P	4	French Guiana	SOCA	Cayenne	1 El conector de energía del teléfono IP no funciona	5 February 2015	A solution will be proposed by INEO to the site		05/03/2015 We propose to connect the telephone cable on the power supply system. The connection is confirmed on 05/03/2015 17/03/2015 => closed as per email of 17th of March	10th-March-2015 20th-March-2015 17th March 2015	17/03/2015	OK
P4SOCA05022	CLOSED	P	4	French Guiana	SOCA	Cayenne	2 Diagramas circuitales incorrectos (WVG)	5 February 2015	As-built under realization		Closing date requires finalization of drawings for ALL cables 27/03: documents achieved, to be closed on 17/03/2015 March 2015 Proof of delivery to the end user at your disposal	10th-March-2015 20th-March-2015	20/04/2015	Not closed Documents and CD received Pending completion of revision by States 15th May

REDDIG-II - Pending issues														
Item Number	STATUS	TYPE O/M	CRITICITY	Country	Node	City	Outstanding issues	Opening date	Action(s) to be performed	COMMENTS	Current update	Expecting closing date	Real closing date	ICAOand States commentaries 23 april 2015
P3SOCA05023	CLOSED	P	3	French Guiana	SOCA	Cayenne	3 Dificultad leer la dirección IP del WVG	5 February 2015	1/ Diagnostic of the current configuration of the NMS 2/ New version of the NMS	NMS works in progress	08/03/15 => Problem identified => Implementation of the solution in progress 12/03/2015 => new NMS aspect approved by D/NT (L. Mahe email of 20/04/2015 => implementation date 20/04/2015 => new NMS aspect installed	18th March 2015 20th March 2015 24th April 2015		Not closed. NMS aspect is not completed yet. No indication about which position (A or B) for IBUs and LNBs Noted new date 24th April
P3SOCA05024	CLOSED	P	3	French Guiana	SOCA	Cayenne	4 Error en la interface LAN no trabaja	5 February 2015	1/ Diagnostic of the current configuration of the NMS 2/ New version of the NMS	NMS works in progress	08/03/15 => Problem identified => Implementation of the solution in progress. To be achieved on 10/03/15	20th March 2015 20th March 2015 20th March 2015	20/03/2015	OK
P3SOCA05025	closed	P	3	French Guiana	SOCA	Cayenne	5 Modem B no va en verde cuando se enciende	5 February 2015	1/ Diagnostic with FP to be performed 2/ If faulty equipment, will open an RMA number to replace the equipment	Analysis in progress with NDSatcom	08/03/2015 ND Satcom will send us a new software and an upgrade procedure for the modem 27/03: ND Satcom is still working on the new version. Solutions should be exposed next week 10/04: New version to be deployed next week. SkyNMS 3.25 already installed at Manaus 20/04: Software uploaded, test ok	18th March 2015 20th March 2015 24th April 2015	20/04/2015	OK
P2SOCA05026	solution identified	P	2	French Guiana	SOCA	Cayenne	6 Problema posterior con el circuito AFTN con Manaus	5 February 2015	1/ Check of the Cisco configuration -> Conf. OK 2/ Discussions undergoing with local FP	problem already observed during REDDIG 1 operation	25/02/2015 => Closed as per INEO 20/04/2015 => new configuration sent on 20th April. To be monitored	18th February 2015		Not closed French Guyana reported that the problem was not solved REDDIG I did not have this problem. This is a REDDIGII problem
O1SOCA05027	closed	O	1	French Guiana	SOCA	Cayenne	7 Communication problem with Manaus according to the email from ICAO (17th Feb.)	17 February 2015	OSPFP Pb under analysis -> Looking for a technical solution to be implemented	Resolution pending of the Item M1SLLP17021	23/02/2015 => New configuration will be tested by Level3 as a test on all nodes. Under reconfiguration made by our crew except L3CIE verified 27/02/2015 => New configuration implemented, solution monitoring under validation 09/03/2015 => Improvement of the routing observed but still to be confirmed 12/03/2015: test successful, only SYGC was out due to last mile issue	30th March 2015	12/03/2015	OK
P3SYGC05021	solved	P	3	Guyana	SYGC	Georgetown	1 No hay indicación de status en uno de los switches en el MAP VIEW	5 February 2015	1/ Diagnostic of the current configuration of the NMS 2/ New version of the NMS	NMS works in progress	05/03/15 => Problem identified => Implementation of the solution in progress, to be achieved on 09/03/15 20/04/2015 => both switches are up	10th March 2015 20th March 2015 24th April 2015		To be verified Noted new date 24th April
P3SYGC05022	CLOSED	P	3	Guyana	SYGC	Georgetown	2 No se puede hacer setting en las interfaces de voz	5 February 2015	INEO sent an email on the 18th Feb. explaining that modifications on voice interfaces are possible, mainly to change the attenuation or the gain to make the communication better. We sent to the FP a procedure.			18 February 2015	18/02/2015	OK closed

REDDIG-II - Pending issues														
Item Number	STATUS	TYPE O/M	CRITICITY	Country	Node	City	Outstanding issues	Opening date	Action(s) to be performed	COMMENTS	Current update	Expecting closing date	Real closing date	ICAOand States commentaries 23 april 2015
O1MHTG12051	CLOSED	O	1	Honduras		Tegucigalpa	1 Solicitud de activación de los servicios (email 12/02/2015)	12 February 2015	Procedure to declare the new station in the network to be done	problem identified and expected resolution for 21/02	20/02/2015: Search by INEO (Closed as per INEO) 21/04/2015 => On monitoring	25th february 2015		Solved but not closed the circuit is under observation
P4SGAS05021	Closed	P	4	Paraguay	SGAS	Asuncion	1 Alarma sonora de la UPS en modo batería, prácticamente inaudible	5 February 2015	The equipment is working as presented during the FAT. Please precise the issue.			20 March 2015		Not closed pending issue
P3SGAS05022	solution identified	P	3	Paraguay	SGAS	Asuncion	2 No se cuenta con el antivirus que se halla especificado en el Documento REDDIG II SDD Scope of Supply Rev. F	5 February 2015	To be provided by INEO	27/03/2015: Antivirus almost identified (two remaining systems)	10th-March-2015 20th-March-2015 10th-April-2015 24th April 2015			Not solved still pending the antivirus
P3SGAS05023	CLOSED	P	3	Paraguay	SGAS	Asuncion	3 El breaker Q5 presenta un falso contacto por lo que deberá ser cambiado	5 February 2015	INEO have contacted his local subcontractor to perform the modification			26 February 2015	26/02/2015	OK Solved
P2SGAS05024	solution identified	P	2	Paraguay	SGAS	Asuncion	4 No se configuro la línea Administrativa IP	5 February 2015		27/02/2015 => As per SDD, this request seems to be out of scope of INEO 06/03/2015 A coordination email was sent to Paraguay for configuration changes in the Cisco. We are pending to that information to keep working on this issue and make tests with Paraguay. 12/03/2015: no news from Paraguay 16/03: configuration sent, pending tests 27/03: test resulted not succesful, but SIP proxy must be the VCS, not the Cisco 10/04: expert contracted and made Cisco configuration changes, and IPBX little changes. Specific test and config changes must be achieved by Paraguayan staff. 20/04: pending new info	10th-March-2015 20th-March-2015 10th-April-2015 24th April 2015			Not solved still pending Noted new date 24th April
P3SGAS05025	solution identified	P	3	Paraguay	SGAS	Asuncion	5 La grafica de representación de los equipos en los nodos en el NMS no ha sido mejorada, tal como se había observado en la FAT	5 February 2015	1/ Diagnostic of the current configuration of the NMS 2/ New version of the NMS	NMS works in progress	05/03/15 => Problem identified => Implementation of the solution in progress 12/03/2015 => new NMS aspect approved by OACI (L.Alejos email of 12/03), to be deployed in all site	10th-March-2015 20th-March-2015 10th-April-2015 24th April 2015		OK on progress almost solved Noted new date 24th April
P3SGAS05026	CLOSED	P	3	Paraguay	SGAS	Asuncion	6 Al realizar la prueba de redundancia del Capítulo 7 Pag. 70/125 de la PSAT, las IBUCs no indican las fallas y no conmutan automáticamente	5 February 2015	After analysis, it appears that the IBUC needs to be updated. To do so, we need to be connected directly to the equipment. INEO requests to ICAO the support from the local FP in order to perform this action.		20/02/2015 => Solved by INEO (Closed as per INEO)	28 February 2015	28/02/2015	OK
P3SGAS05027	ON PROGRESS	P	3	Paraguay	SGAS	Asuncion	7 El puerto serial 0/0/0 del router GBB presenta una falla en donde pierde paquetes en Recepción, por lo cual la tarjeta 2-Port Async/Sync Serial WAN Interface Card debe ser reemplazada	5 February 2015	Analysis undergoing -> An RMA will be opened if necessary	waiting for a clear diagnostic from SGAS that it is a hardware problem	17/03: update asked to FP 20/04: update asked	10th-March-2015 20th-March-2015 10th-April-2015 24th April 2015		Still pending the BER test. Noted the new date 24th April

REDDIG-II - Pending issues														
Item Number	STATUS	TYPE O/M	CRITICITY	Country	Node	City	Outstanding issues	Opening date	Action(s) to be performed	COMMENTS	Current update	Expecting closing date	Real closing date	ICAOand States commentaries 23 april 2015
P4SGAS05028	CLOSED	P	4	Paraguay	SGAS	Asuncion	8 Pendiente actualización de los diagramas circuitales	5 February 2015	As-built under realization		Closing date includes finalization of drawings for ALL sites 27/03 documents achieved to be signed by Vendor on 10th March 2015 Proof of delivery to the end user at your disposal	16th-March-2015 27th-March-2015	24/04/2015	Not closed Documents and CD received Pending completion of revision by States 15th May
P2SGAS05029	Closed	P	2	Paraguay	SGAS	Asuncion	9 Perdida de paquetes en la red terrestre LEVEL 3 con Bolivia , Recife (Muy alta), Colombia.French Guyana, Guyana y Uruguay	5 February 2015	Information transmitted to level 3 -> Waiting for the solution proposed and the ECD (Expecting Closing Date)		26/02/2015 -> New request transmitted to Level 3 06/03/2015 -> individual tests to be performed 27/03/2015 => tests conducted by LE were succesful, except French Guiana. Procedure sent on 27th of March for individual tests.	10th April 2015	LEVEL 3	Not closed On 01 April the test result was OK for Asunción except French Guyana, Suriname and Trinidad & Tobago
O3SGAS110210	CLOSED	O	1	Paraguay	SGAS	Asuncion	10 Communication problems which forced Paraguay to pass services through the Level 3 network (email OACI 11/02)	11 February 2015	1/ Remote analysis of the problem 2/ Expert from INEO to be send on site to point again the antenna	problem identified as a bad alignment of the antenna. On site technician for 23/02	25/02/2015 => Solved after intervention of INEO expert on site (Closed as per INEO)	25th February 2015	25/02/2015	OK
P1SPIM05021	Solved	P	1	Peru	SPIM	Lima	1 Circuito AFTN con Manaus y Santiago inoperativos	5 February 2015	Remote Diagnostic under progress	Resolution pending of the item P2SBMN02051	25/02/2015 => Test must be conducted in cooperation with Manaus AFTN center and REDDIG-II technical persons, waiting for their availability. 06/03/2015 Our expert on site is reporting that the circuit is nominally operating. He identified that the issues were already present with REDDIG I. Additional analysis is thus required. 10/04: INEO engineer sent at Guayaquil for network-wide test	16th-March-2015 26th-March-2015 30th-April-2015 24th April 2015		Not solved The REDDIG I did not have problem with these AFTN circuits . These are REDDIG II problem The AFTN circuit Lima Manaus and Lima Santiago are working but with intermittent problem
P2SPIM05022	CLOSED	P	2	Peru	SPIM	Lima	2 MODEM 1070 cadena A no operativo	5 February 2015	1/ Spare part installed 2/ Faulty equipment to be collected by INEO for repairation & replacement (Waiting for ICAO instructions) 3/ Spare Modem to be declared in the network		25/02/2015 Solved by INEO => Closed as per INEO	24th February 2015	24/02/2015	OK
P4SPIM05023	CLOSED	P	4	Peru	SPIM	Lima	3 La grafica de representacion de los equipos en los nodos en el NMS no ha sido mejorada, tal como se habia observado en la FAT	5 February 2015	1/ Diagnostic of the current configuration of the NMS 2/ New version of the NMS	NMS works in progress	09/03/15 => Problem identified => Implementation of the solution in progress 12/03: new NMS aspect approved by OACI (L. Alves email of 12/03), to be approved in all sites 20/04 : new NMS aspect installed	16th-March-2015 26th-March-2015 30th-April-2015 24th April 2015		Not closed. NMS aspect is not completed yet. No indication about which position (A or B) for IBUs and LNBs
P3SPIM05024	CLOSED	P	3	Peru	SPIM	Lima	4 Falta actualización de los diagramas circuitales	5 February 2015	As-built under realization		Closing date includes finalization of drawings for ALL sites 27/03 documents achieved to be signed by Vendor on 10th March 2015 Proof of delivery to the end user at your disposal	16th-March-2015 27th-March-2015	20/04/2015	Not closed Documents and CD received Pending completion of revision by States 15th May

REDDIG-II - Pending issues														
Item Number	STATUS	TYPE O/M	CRITICITY	Country	Node	City	Outstanding issues	Opening date	Action(s) to be performed	COMMENTS	Current update	Expecting closing date	Real closing date	ICAOand States commentaries 23 april 2015
P2SPIM05025	Closed	P	2	Peru	SPIM	Lima	5 Perdida de paquetes red terrestre Level 3 con Argentina,, Manaus, Colombia , Guyana y Venezuela	5 February 2015	Information transmitted to level 3 -> Waiting for the solution proposed and the ECD (Expecting Closing Date)		25/02/2015 => New request transmitted to level 3 08/03/2015 => Individual tests were performed 27/03: tests conducted by LE were successful, except French Guiana. Procedure sent on 27th of March for individual tests.	10th April 2015	LEVEL 3	Not closed On 01 April the test result was OK for Lima except French Guyana, Suriname and Trinidad & Tobago
P2SPIM05026	solution identified	P	2	Peru	SPIM	Lima	6 Numero ATS d no corresponde	5 February 2015	Local intervention of our expert		27/02/2015 => Targetted 02/03/2015 20/04/2015 => no existe numero ATS-D configurado en la REDDIG II en Lima. Asi debe ser el numero que manda la PBX que no corresponde. Necesitamos mas detalles.	40th-March-2015 20th-March-2015 40th-April-2015 24th April 2015		Not solved pending. Noted new date 24th April
P4SPIM05027	CLOSED	P	4	Peru	SPIM	Lima	7 Pruebas cadena A satelital no realizadas por falla del MODEM cadena A	5 February 2015			25/02/2015 Solved by INEO => Closed as per INEO	24th February 2015		Not closed Peru reported that tests were not made
P4SPIM05028	solution identified	P	4	Peru	SPIM	Lima	8 Prueba BER no realizada	5 February 2015	During the PSAT, it appears that this test was not the priority. Now, it's difficult to perform it because it means that States will have to cut the services. If requested by ICAO, it could be done during the ORD period with the local FP and INEO coordination		27/02/2015 => INEO technician will conduct the test on site, on 30/03/15 06/03/15 => As talked during teleconference, the test requires to shutdown the whole satellite network. Need to confirm and coordinate it. 12/03/2015: Procedure sent	40th-March-2015 20th-March-2015 40th-April-2015 24th April 2015		No completed pending issues
P4SPIM05029	CLOSED	P	4	Peru	SPIM	Lima	9 Pendiente pruebas fallas de equipos (Sección 7.3)	5 February 2015	During the PSAT, it appears that this test was already performed. It could be easily checked, and upon request by ICAO, it could be done during the ORD period with the local FP and INEO remote coordination			25th February 2015		OK
P3SPIM050210	CLOSED	P	3	Peru	SPIM	Lima	10 Errores plan de discado circuitos administrativos	5 February 2015	Local intervention of our expert		27/02/2015 => Targetted 02/03/2015 08/03/2015 => New configuration was sent to CORPAO on March 06th pending to be implemented and tested 27/03/2015 => configuration sent, the test is Pending coordination 19/03/2015 => configuration to be tested 27/03/2015 => closed as per email of 19/03	40th-March-2015 20th-March-2015 40th-April-2015 20th March 2015		Not closed as per email 21/4
P3SPIM050211	ON PROGRESS	P	3	Peru	SPIM	Lima	11 Calidad voz IP teleconferencia no satisfactoria	5 February 2015	1/ Diagnostic of the current configuration 2/ New configuration to be proposed after analysis 3/ Configuration implmented, to be tested (12/03)		05/03: diagnostic still on progress 13/03: modem configuration changed, test pending. 27/03: tests achieved with Manaus unsuccessful	40th-March-2015 20th-March-2015 40th-April-2015 24th April 2015		Noted the new date 24th April

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Item Number	STATUS	TYPE O/M	CRITICITY	Country	Node	City	Outstanding issues	Opening date	Action(s) to be performed	COMMENTS	Current update	Expecting closing date	Real closing date	ICAOand States commentaries 23 april 2015
O2SPIM120212	solved	O	2	Peru	SPIM	Lima	12 anomalía que está presentándose en la comunicación AFTN de Santiago hacia Lima y Ezeiza (email OACI 12/02)	12 February 2015	OSPF Pb under analysis -> Looking for a technical solution to be implemented	Resolution pending of the item P2SBMN02051	25/02/2015 => New configuration will be tested by Level3 as of today, on all nodes, under recommendation made by our Cisco expert (CCIE certified) 27/02/2015 => New configuration implemented, solution monitoring under validation 05/03/2015 => Improvement of the routing observed, but still to be confirmed. 10/04/2015 => INEO engineer sent at Guayaquil for network-wide test	10th-March-2015 20th-March-2015 40th-April-2015 24th April 2015		Not solved yet still pending. Noted new date 24th April
P3SMPM05021	Closed	P	3	Suriname	SMPM	Paramaribo	1 Presenta pérdidas de paquetes en la red terrestre LEVEL 3 con Argentina, Manaus, Recife (muy alta), Chile, Colombia, Ecuador, Guyana y Uruguay	5 February 2015	Information transmitted to level 3 -> Waiting for the solution proposed and the ECD (Expecting Closing Date)		23/02/2015 => New request retransmitted to Level3 05/03/2015 => Individual tests in the equipment 27/03: tests conducted by LE were successful, except French Guiana. Procedure sent on 27th of March for individual tests.	10th April 2015	LEVEL 3	Not closed. On 01 April the test result was NOT OK for French Guiana, Suriname and Trinidad & Tobago
P4SMPM05022	solution identified	P	4	Suriname	SMPM	Paramaribo	2 Pendiente pruebas BER	5 February 2015	During the PSAT, it appears that this test was not the priority. Now, it's difficult to perform it because it means that States will have to cut the services. If requested by ICAO, it could be done during the ORD period with the local FP and INEO coordination		27/02/2015 => INEO technician will conduct the test on site, on 30/03/15 06/03/15 => As talked during teleconference, the test requires to shutdown the whole satellite network. Need to confirm and coordinate it. 12/03/2015: Procedure sent	40th-March-2015 20th-March-2015 10th-April-2015 24th April 2015		Pending issue not solved
P3SMPM05023	solution identified	P	3	Suriname	SMPM	Paramaribo	3 Teleferencia IP solo con diez usuarios	5 February 2015	1/ Diagnostic of the current licence 2/ New 16 users licences to be provided after analysis		05/03/2015 => Hardware limitation found, solution to be provided. Will be codec change or hardware addition 21/04/2015 => DSP to be installed in Cisco SBMN & SAEZ	40th-April-2015 15th May 2015		Still pending, we expect the IP telephone will be ready at new date 24th April
P3TTZP05021	CLOSED	P	3	Trinidad & Tobago	TTZP	Piarco	1 NMS: refresco cambios de estados muy lento	5 February 2015	1/ Diagnostic of the current configuration of the NMS 2/ New version of the NMS	NMS works in progress	05/03/2015 => In touch NMS if seems correct network. For the station NMS is not possible to improve due to satellite cost 21/04/2015 => INEO advise: Restart Firefox once per month to clean internal processes to improve velocity	40th-March-2015 6th March 2015	06/03/2015	Not closed. Solution to be verified
P4TTZP05022	CLOSED	P	4	Trinidad & Tobago	TTZP	Piarco	2 Calidad de la imagen no mejorada aspecto pendiente desde la FAT	5 February 2015	1/ Diagnostic of the current configuration of the NMS 2/ New version of the NMS	NMS works in progress	05/03/15 => Problem identified => Implementation of the solution in progress 12/03 => new NMS aspect approved by OACI (L Alejos email of 12/03), to be deployed in all site	40th-March-2015 20th-March-2015 10th-April-2015 24th April 2015		Not closed. NMS aspect is not completed yet. No indication about which position (A or B) for IBUs and LNBS
P3TTZP05023	solution identified	P	3	Trinidad & Tobago	TTZP	Piarco	3 Teleferencia IP solamente trabaja con 11 usuarios no cumple con las especificaciones técnicas de la REDDIG	5 February 2015	1/ Diagnostic of the current licence 2/ New 16 users licences to be provided after analysis		05/03/2015 => Hardware limitation found, solution to be provided. Will be codec change or hardware addition 21/04/2015 => DSP to be installed in Cisco SBMN & SAEZ	10th-March-2015 20th-March-2015 40th-April-2015 24th-April-2015 15th May 2015		Still pending the IP telephone. Noted the new date 15th May

REDDIG-II - Pending issues																
Item Number	STATUS	TYPE O/M	CRITICITY	Country	Node	City		Outstanding issues	Opening date	Action(s) to be performed	COMMENTS	Current update	Expecting closing date	Real closing date	ICAOand States commentaries 23 april 2015	
P2TTZP05024	CLOSED	P	2	Trinidad & Tobago	TTZP	Piarco	4	No hay conmutación automática en el IBUC en caso de falla solamente conmuta cuando se apaga la energía	5 February 2015	After analysis, it appears that the IBUC needs to be updated. To do so, we need to be connected directly to the equipment. INEO requests to ICAO the support from the local FP in order to perform this action.		02/02/2015 => New IBUC firmware successfully installed => Switching problem solved => Solved as per INEO	28 February 2015	28/02/2015	OK solved	
P2TTZP05025	closed	P	2	Trinidad & Tobago	TTZP	Piarco	5	Perdida de paquetes en la red terrestre LEVEL 3 con Curitiba y Ecuador.	5 February 2015	Information transmitted to level 3 -> Waiting for the solution proposed and the ECD (Expecting Closing Date)		02/02/2015 => New request retransmitted to Level 3 08/03/2015 => Individual tests were performed 27/03/2015 confirmed by IS Ward 20083001 - Group French Guyana, Suriname and Trinidad and Tobago 20/04: closed as per email 08/04 :RE: REDDIG II - #P2SPIM05025 y #O2SPIM120212 - enrutamiento por LEVEL 3 by Teodoro Chavez.	18th March 2015 24th April 2015	LEVEL 3	Not closed. On 01 April the test result was NOT OK for French Guyana, Suriname and Trinidad & Tobago	
O2TTZP18026	closed	O	2	Trinidad & Tobago	TTZP	Piarco	6	Communication problem with Paramaribo and Manaus according to the email from ICAO (18th Feb.)	18 February 2015	OSPF Pb under analysis -> Looking for a technical solution to be implemented	Resolution pending of the item P2SBMN02051	02/02/2015 => New configuration will be tested by Level 3 as a today on all nodes under recommendation made by our client expert (GIE certified) 27/02/2015 => New configuration implemented, solution monitoring under way 09/03/2015 => Improvement of the routing observed, but still in test configuration 21/04/2015 => New Skywan firmware installed => System on monitoring	21st April 2015		OK	
P4SUMU05021	CLOSED	P	4	Uruguay	SUMU	Montevideo	1	Falta actualización los planos con los diagramas circuitales	5 February 2015	As-built under realization		Closing date includes finalization of drawings for ALL sites 27/03: documents achieved to be shipped on Monday 30th March 2015 Proof of delivery to the end user at your disposal	18th March 2015 24th March 2015	20th April 2015	Not closed Documents and CD received Pending completion of revision by States 15th May	
P4SUMU05022	ON PROGRESS	P	4	Uruguay	SUMU	Montevideo	2	Unidad 1070 cadena B no enciende luz verde aun cuando opera bien	5 February 2015	We opened an RMA number. INEO will replace the equipment.		06/03/2015 => shipment of faulty unit towards NDSatCom pending			No action made solution required	
P3SUMU05023	CLOSED	P	3	Uruguay	SUMU	Montevideo	3	Falta cambiar Feed Horn	5 February 2015			03/02/2015 => New Feed Horn and antenna has to be done 24/03/2015 => New feed horn installed and antenna is working fine	24 March 2015	24/03/2015	OK Closed	
P3SUMU05024	CLOSED	P	3	Uruguay	SUMU	Montevideo	4	NMS: refresco cambios de estados muy lento	5 February 2015	1/ Diagnostic of the current configuration of the NMS 2/ New version of the NMS	NMS works in progress		06/03/2015 => Local NMS it seems correct, refress. For the distant NMS it is not possible to improve it due to satellite link 21/04/2015 => INEO advise: Restart Firefox once per month to clean internal processes to improve velocity	18th March 2015 6th March 2015	06/03/2015	Not closed. Solution to be verified

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Item Number	STATUS	TYPE O/M	CRITICITY	Country	Node	City	Outstanding issues	Opening date	Action(s) to be performed	COMMENTS	Current update	Expecting closing date	Real closing date	ICAOand States commentaries 23 april 2015	
P4SUMU05025	solution identified	P	4	Uruguay	SUMU	Montevideo	5 Calidad de la imagen no mejorada aspecto pendiente desde la FAT	5 February 2015	1/ Diagnostic of the current configuration of the NMS 2/ New version of the NMS	NMS works in progress	05/03/15 => Problem identified => Implementation of the solution in progress 12/03/2015 => new NMS aspect approved by OACI (L.Alejos email of 12/03), to be deployed in all site	10th-March-2015 20th-March-2015 30th-April-2015 24th April 2015		Not closed. NMS aspect is not completed yet. No indication about which position (A or B) for IBUs and LNBs Noted new date 24th April	
P3SUMU05026	solution identified	P	3	Uruguay	SUMU	Montevideo	6 Falta instalar antivirus en el NMS	5 February 2015	To be provided by INEO		27/03/2015: Antivirus almost identified (two remaining systems)	10th-March-2015 20th-March-2015 30th-April-2015 24th April 2015		Pending issues still waiting antivirus in all the nodes not only Montevideo Noted new date 24th April	
P3SUMU05027	solution identified	P	3	Uruguay	SUMU	Montevideo	7 El NMS presenta información incorrecta	5 February 2015	1/ Diagnostic of the current configuration of the NMS 2/ New version of the NMS	NMS works in progress	05/03/15 => Problem identified => Implementation of the solution in progress, to be achieved on 09/03/15	10th-March-2015 20th-March-2015 30th-April-2015 24th April 2015		Still pending solution almost ready. Noted new date 24th April	
P4SUMU05028	solution identified	P	4	Uruguay	SUMU	Montevideo	8 Pendiente pruebas BER	5 February 2015			27/02/2015 => INEO technician will conduct the test on site, on 30/03/15 06/03/15 => As talked during teleconference, the test requires to shutdown the whole satellite network. Need to confirm and coordinate it. 12/03/2015: Procedure sent	10th-March-2015 20th-March-2015 30th-April-2015 24th April 2015		Pending BER Test.	
P4SUMU05029	solution identified	P	4	Uruguay	SUMU	Montevideo	9 La versión entregada de software para la VPN remota no es acorde al manual enviado para su instalación, no pudiendo instalarse según lo sugerido por INEO.	5 February 2015	An amendment to the User Manual will be sent to all the Reddig II Members by email.		17/03: new procedure sent, same as for SAEZ and SBMN	10th-March-2015 20th-March-2015 30th-April-2015 24th April 2015		Not solved. Configuration must to be done by INEO	
P3SUMU050210	Closed	P	3	Uruguay	SUMU	Montevideo	10 Perdidas de paquetes en la red terrestre LEVEL 3 con Bolivia, French Guyana, Surinam, Trinidad & Tobago y Venezuela.	5 February 2015	Information transmitted to level 3 -> Waiting for the solution proposed and the ECD (Expecting Closing Date)		26/02/2015 => New contract established to level 3 26/03/2015 27/03/2015: tests conducted by LE were successful, except French Guiana. Procedure sent on 27th of March for individual tests.	10th April 2015	LEVEL 3	On 01 April the test result was OK for Montevideo except French Guyana, Suriname and Trinidad & Tobago	
-			1	Uruguay	SUMU	Montevideo	11 Async circuit for radar data from SAEZ does not work since initial installation								Pending issue not solved
P2SVIM05021	CLOSED	P	2	Venezuela	SVIM	Maiquetia	1 No se observa el switcheo automatico en el RSS	5 February 2015	We have contacted our site manager, and apparently it was the automatic switching of the RSS from B to A. It's normal that it's doesn't work because it's only possible manually. Please confirm that it's issue can be SOLVED		25/02/2015 Solved by INEO => Closed as per INEO	18 February 2015	18/02/2015	OK closed	

REDDIG-II - Pending issues														
Item Number	STATUS	TYPE O/M	CRITICITY	Country	Node	City	Outstanding Issues	Opening date	Action(s) to be performed	COMMENTS	Current update	Expecting closing date	Real closing date	ICAOand States commentaries 23 april 2015
O1SVIM18022	CLOSED	O	1	Venezuela	SVIM	Maiquetia	2 Communication problem with Georgetown, Paramaribo, and Manaus according to email of the 18th Feb.	18 February 2015	OSPF Pb under analysis -> Looking for a technical solution to be implemented	Resolution pending of the item P2SBMN02051	23/02/2015 => New configuration will be tested by Level 3 as it leads to no issues under test (manipulation made by our Cisco support) O/G/E confirmed 27/02/2015 => New configuration implemented, solution monitoring under evaluation 03/03/2015 => Implementation of a new routing protocol (OSPF) is not confirmed 17/03/2015 => test packet to RFP 07/03/2015 => no issue reported so far 21/04/2015 => New Skywan firmware installed => System on monitoring	27 March 2015		OK System on monitoring
O1SVIM25023	CLOSED	O	1	Venezuela	SVIM	Maiquetia	3 All the AFTN communication out of service	24 February 2015	Problem occurred due to other equipment		23/02/2015 => Waiting for results after OSPF configuration reimplementation done today on GBB152 network 27/02/2015 => test packet to RFP 21/04/2015 => New Skywan firmware installed => System on monitoring	27th February 2015 21st April 2015		OK Closing date
#GBB_tests	On Progress	O		Multiple sites	Multiple sites	Multiple sites	1 Issues experimented in GBB dedicated communication	02/04/2015	Individual configuration checks and tests.			24 April 2015		On 01 April the test result was NOT OK for French Guyana, Suriname and Trinidad & Tobago
Legend colour	Pending													
Legend colour	On Progress													Customer initial color
Legend colour	Solved													Customer initial color
Legend colour	Solution identified													Customer initial color
Legend colour	Closed													Customer initial color