



SAM/IG/4  
IP/02  
**Revised**  
19/10/09

**International Civil Aviation Organization  
South American Regional Office**

**FOURTH WORKSHOP/MEETING OF THE SAM IMPLEMENTATION GROUP (SAM/IG/4)  
REGIONAL PROJECT RLA/06/901**

**Lima, Peru, 19 to 23 October 2009**

**LIST OF WORKING AND INFORMATION PAPERS**

(Information Paper presented by the Secretariat)

<b>WORKING PAPERS</b>			
<b>Number</b>	<b>Agenda Item</b>	<b>Title</b>	<b>Prepared and Presented by</b>
WP/01	--	Tentative Agenda, Schedule and Proposed Working Methods	Secretariat
WP/02	1	Revision of the status of compliance of Conclusions formulated by SAM/IG Meetings	Secretariat
WP/03	2	Result of the Coordinations for RNAV routes implementation	Secretariat
WP/04	2	Optimization of the ATS Routes network	Secretariat
WP/05	5	Methodology for calculation of airport capacity and ATC sectors	R. Arca, RLA/06/901 Expert
WP/06	2	Work plan for optimisation	Secretariat
WP/07	3	Review of the progress reached in the en-route PBN action plan (RNAV 5)	Secretariat
WP/08	1	Follow-up of pending conclusions and tasks	Roberto Arca Jaurena Uruguay
WP/09	2	Flexible use of the airspace (FUA)	Roberto Arca Jaurena Uruguay
WP/10	5	Result of the works carried out by Project RLA/06/901 with regard to ATFM	R. Fischer/G. Freitas Lopes RLA/06/901 Experts
WP/11	4	Progress of work made in the framework of Project RLA/99/901 related to the performance based navigation	Technical Committee of the SRVSOP

<b>WORKING PAPERS</b>			
<b>Number</b>	<b>Agenda Item</b>	<b>Title</b>	<b>Prepared and Presented by</b>
WP/12	4	Review of the questionnaire on PBN aircraft capacity	Secretariat
WP/13	5	Review of the progress reached on the ATFM action plan – Phase 1	Secretariat
WP/14	6	Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations. IMPLEMENTATION PLANS FOR THE IMPROVEMENT OF CNS SYSTEMS TO MEET SHORT- AND MEDIUM-TERM OPERATIONAL REQUIREMENTS FOR EN ROUTE AND TERMINAL AREA OPERATIONS	Secretariat
WP/15	2	Implementation of RNAV routes in the Montevideo FIR and elimination of route UA 309	Roberto Arca Jaurena Uruguay
WP/16	5	CDM Manual	Roberto Arca Jaurena Uruguay
WP/17	2	Optimization of the ATS routes structure in Terminal and en-route airspace and implementation of performance based navigation (PBN) in the SAM Region. MONTEVIDEO – ASUNCIÓN RNAV ROUTE	Uruguay
WP/18	6	Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations. FOLLOW-UP TO IMPLEMENTATION OF AMHS INTERCONNECTION	Secretariat
WP/19	6	Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations. GUIDE FOR THE OPERATIONAL INTERCONNECTION OF AMHS IN THE SAM REGION	Secretariat
WP/20	2	Preliminary analysis of the air traffic data collection.	Brazil
WP/21	3	PBN implementation planning in Brasilia, Recife, Rio de Janeiro and São Paulo TMAs.	Brazil
WP/22	7	Operational implementation of new ATM automated systems and integration of the existing systems. FOLLOW-UP TO THE INTERCONNECTION OF AUTOMATED SYSTEMS	Secretariat

<b>WORKING PAPERS</b>			
<b>Number</b>	<b>Agenda Item</b>	<b>Title</b>	<b>Prepared and Presented by</b>
WP/23	6	Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations. REQUIREMENT FOR A STUDY ON THE CURRENT CAPACITY OF THE SOUTH AMERICAN DIGITAL NETWORK (REDDIG), AS WELL AS DEFINITION FOR A NEW REGIONAL COMMUNICATIONS NETWORK	Secretariat
WP/24	4	Revision of work program for the development of Advisory Circulars (AC) related to PBN approvals	Technical Committee of the SRVSOP
WP/25	6	Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations. FOLLOW-UP TO ADS-B TRIALS ACTIVITIES IN THE SAM REGION – ADS-B TRIALS IN PERU	Peru
WP/26	7	Operational implementation of new ATM automated systems and integration of the existing systems. PROCEDURES FOR THE EXCHANGE OF RADAR DATA AS PART OF THE ATM AUTOMATION INTERCONNECTION ( <i>Spanish only</i> )	Brazil
WP/27	7	Operational implementation of new ATM automated systems and integration of the existing systems. STRATEGY FOR THE IMPLEMENTATION IN THE SAM REGION OF AMENDMENT 1 TO ICAO PANS-ATM (DOC 4444), 15 <sup>TH</sup> EDITION	Secretariat
WP/28	6	Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations. AMHS INTERCONNECTION ( <i>Spanish only</i> )	Argentina
WP/29	6	Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations. DEVELOPMENT OF THE ATS SPEECH SERVICE IN THE ATN OF ARGENTINA (VOICE OVER IP) ( <i>Spanish only</i> )	Argentina
WP/30	6	Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations. EXCHANGE OF REGIONAL RADAR DATA ( <i>Spanish only</i> )	Argentina
WP/31	2	IATA Report on User Requirements for Air Traffic Services	IATA
WP/32	4	IATA Equipment Survey	IATA

<b>WORKING PAPERS</b>			
<b>Number</b>	<b>Agenda Item</b>	<b>Title</b>	<b>Prepared and Presented by</b>
WP/33	4	Training programme on Advisory Circulars (AC) related to PBN approval	Technical Committee of the SRVSOP
WP/34	3	Implementation of performance-based navigation (PBN) in the SAM Region. ANALYSIS OF RNAV5 VOR/DME AND DME/DME OPERATIONS AT BUENOS AIRES-LIMA AND LIMA-QUITO TRAFFIC FLOWS	Secretariat
WP/35	5	Runway capacity calculation Porto Alegre Airport	Brazil
WP/36	5	ATC capacity calculation sectors 9 and 10	Brazil
WP/37	3	Implementation of performance-based navigation (PBN) in the SAM Region. REGIONAL DATA BASE ON VOR AND DME RADIO NAVIGATION AID COVERAGE	Secretariat
WP/38	5	ATFM implementation in progress activities	Paraguay
WP/39	6	Strategy of the Brazilian Administration for the migration of the service currently provided by the AFTN to the ATS Message Handling System (AMHS)	Brasil
WP/40	6	Activities related to the ADS-C/CPDLC and ADS-B implementation in Brazil.	Brasil
<b>INFORMATION PAPERS</b>			
IP/01	--	General Information	Secretariat
IP/02	--	List of Working and Information Papers	Secretariat
IP/03	3	Plan Nacional PBN de la Republica Argentina	Argentina
IP/04	6	Normas y Procedimientos para aprobación de Operaciones RNAV 5	Argentina
IP/05	4	National Standards for Approval of Operators	Chile
IP/06	3	Implementation of Performance-based Navigation (PBN) in SAM Region.	Chile
IP/06	3	Chile PBN Implementation Plan, Version 1	Chile
IP/07	3	Benefits obtained after RNP AR Implementation	Chile

<b>WORKING PAPERS</b>			
<b>Number</b>	<b>Agenda Item</b>	<b>Title</b>	<b>Prepared and Presented by</b>
IP/08	3	Identify the points of entry and exit of the main TMA	Chile
IP/09	5	Experiencias sobre el cálculo de capacidad de pista, espacio aéreo y sectores ATS ( <i>Spanish only</i> )	Bolivia
IP/10	3	Plan de Implantación PBN de Bolivia ( <i>Spanish only</i> )	Bolivia
IP/11	3	Puntos de Entrada y Salida de las Principales TMA <i>Spanish only</i> )	Bolivia
IP/12	7	Operational implementation of new ATM automated systems and integration of the existing systems. INTERCONNECTION OF AUTOMATED SYSTEMS (AIDC) ( <i>Spanish only</i> )	Argentina
IP/13	6	Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations. DEVELOPMENT OF RADAR FACILITIES IN ARGENTINA ( <i>Spanish only</i> )	Argentina
IP/14	6	Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations. ACTION PLANS FOR IMPLEMENTATION OF CNS IMPROVEMENTS IN ARGENTINA ( <i>Spanish only</i> )	Argentina
IP/15	6	Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations. IMPLEMENTATION OF IN ARGENTINA OF ADS-C/CPDLC IN OCEANIC SECTORS AND ADS-B TRIALS IN THE CONTINENTAL AREA ( <i>Spanish only</i> )	Argentina
IP/16	6	Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations. ACTION PLANS FOR IMPLEMENTATION OF CNS IMPROVEMENTS IN VENEZUELA ( <i>Spanish only</i> )	Venezuela
IP/17		Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations. ACTION PLANS FOR IMPLEMENTATION OF CNS IMPROVEMENTS IN ECUADOR ( <i>Spanish only</i> )	Ecuador

<b>WORKING PAPERS</b>			
<b>Number</b>	<b>Agenda Item</b>	<b>Title</b>	<b>Prepared and Presented by</b>
IP/18		Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations. ACTION PLANS FOR IMPLEMENTATION OF CNS IMPROVEMENTS IN URUGUAY ( <i>Spanish only</i> )	Uruguay
IP/19	3	Plan PBN de la FIR Montevideo ( <i>Spanish only</i> )	Roberto Arca Jaurena, Uruguay
IP/20	6	Amendment to SICD Document ( <i>Spanish only</i> )	Roberto Arca Jaurena, Uruguay
IP/21	6	Guidance Plan for the Improvement of Communication Systems, Navigation and Surveillance to meet operational requirements in the Short and Medium Term for en-route and terminal area Operations. ( <i>Spanish only</i> )	Paraguay
IP/22	3	Global plan of ATFM implementation in progress activities Navigation (PBN) FIR Asuncion. ( <i>Spanish only</i> )	Paraguay
IP/23	5	ATFM implementation in progress activities ( <i>Spanish only</i> )	Paraguay
IP/24	6	Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations. ACTION PLANS FOR IMPLEMENTATION OF CNS IMPROVEMENTS IN PERU ( <i>Spanish only</i> )	Peru
IP/25	3	PBN implementation plan of Peru	Peru
IP/26	5	Implementation of the air traffic flow management (ATFM) in the SAM Region	Peru
IP/27	6	Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations. ACTION PLANS FOR IMPLEMENTATION OF CNS IMPROVEMENTS IN BRAZIL ( <i>Spanish only</i> )	Brazil

<b>ORDER OF WPS AND IPS ACCORDING TO THE AGENDA ITEMS</b>	
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<b>Agenda Item 1: Follow up to Conclusions and Decisions adopted by SAM/IG</b>	WP/02, WP/08

<p><b>Agenda Item 2:</b>  <b>Optimization of the ATS routes structure in Terminal and en-route airspace and implementation of performance based navigation (PBN) in the SAM Region</b></p>	<p>WP/03, WP/06, WP/09, WP/15, WP/17, WP/20, WP/31</p>
<p><b>Agenda Item 3:</b>  <b>Implementation of performance-based navigation (PBN) in the SAM Region</b></p>	<p>WP/07, WP/13, WP/21, WP/34, WP/37  NI/03, NI/06, NI/07, NI/08, NI/10, NI/11, NI/19, NI/25</p>
<p><b>Agenda Item 4:</b>  <b>Standards and procedures for performance-based navigation operations approval</b></p>	<p>WP/11, WP/12, WP/24, WP/32, WP/33  NI/05</p>
<p><b>Agenda Item 5:</b>  <b>Implementation of air traffic flow management (ATFM) in the SAM Region</b></p>	<p>WP/04, WP/05, WP/10, WP/13, WP/16  NI/09, NI/23, NI/26</p>
<p><b>Agenda Item 6:</b>  <b>Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations</b></p>	<p>WP/14, WP/18, WP/19, WP/23, WP/25, WP/28, WP/29, WP/30, WP/39, WP/40  NI/04; NI/13, NI/14, NI/15, NI/16, NI/17, NI/18, NI/20, NI/21, NI/24</p>
<p><b>Agenda Item 7:</b>  <b>Operational implementation of new ATM automated systems and integration of the existing systems Operational implementation of new ATM automated systems and integration of the existing systems</b></p>	<p>WP/22, WP/26, WP/27  NI/12</p>
<p><b>Agenda Item 8:</b>  <b>Other Business</b></p>	