



Agenda Item 2: Analysis of Version 1 of the SAM ATS routes network

**ELIMINATION OF ROUTE ATS UA556/UW64 AND IMPLEMENTATION OF A NEW RNAV
ROUTE BETWEEN ASUNCION (SGAS) AND EZEIZA (SAEZ)**

(Presented by Paraguay)

Summary	
<p>This working paper presents information about the proposed elimination of the ATS routes between Asunción and Ezeiza, the two-way UA556 VAS VOR to MCS VOR segment, and the two-way UW64 MCS VOR to EZE VOR segment, to be replaced by an RNAV route, with a view to enhancing the efficiency of operations involving the administrations of Argentina and Paraguay.</p>	
References: <ul style="list-style-type: none">• Annex 11 to the ICAO Convention• 36th ICAO Assembly• Global Air Navigation Plan (Doc 9750)• SAM ATS route network optimisation programme• SAM/IG meeting reports• ATSRO meeting reports	
ICAO Strategic Objectives:	A – Safety C – Environmental protection and sustainable development of air transport

1 Background

1.1 Taking into account the outcome of the 36th ICAO Assembly and the ALLPIRG/5 meeting, the SAM/IG/3 meeting, through Conclusion SAM/IG/3-1, concluded that SAM States should take relevant action to follow the guidelines established in the SAM route optimisation programme.

1.2 In this sense, the SAM Region concluded that this optimisation of ATS routes should be conducted in phases, taking into account the analysis/diagnosis of the ATS route network and the planning criteria reflected in the SAM ATS route optimisation programme.

2 Discussion

2.1 The first workshop on SAM ATS route network optimisation (SAM ATSRO/1) held in Lima, Peru on 1-5 March 2010, reviewed Version 1 of the SAM ATS route network resulting from a study conducted with the assistance of a special implementation project financed by ICAO and Regional Project RLA/06/901.

2.2 The SAM ATSRO/1 meeting, taking into account the extent of the work carried out, deemed it convenient for SAM States and IATA to conduct a more in-depth analysis of such work at this workshop and present their results at the SAM/IG/5 meeting.

2.3 Accordingly, the creation of an RNAV route (**Appendix A**) between Asunción and Ezeiza that will generate significant fuel savings between the two cities, and the elimination of ATS route UA556 in the VAS VOR/MCS VOR segment and route UW64 in the MCS VOR/EZE VOR segment is proposed, continuing with the optimisation of the SAM route network.

3 **Suggested action**

3.1 The Meeting is invited to:

- a) examine the information contained in this working paper.
- b) review **Appendix A** to this working paper.

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APPENDIX A



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PROPOSAL

RNAV ROUTE (ASUNCION VOR –GUALEGUAYCHÚ VOR)

COMPARED DISTANCES - ROUTE SGAS – SAEZ				
EXISTING ROUTE		PROPOSED RNAV ROUTE		SAVINGS
VAS-UA556/UW64-EZE		VAS DCT GUA		
VAS	0	WP	X	X
MCS	300	WP	X	X
GUA	171	WP	X	X
EZE	109	WP	X	X
TOTAL	580 NM	TOTAL	577 NM	3NM

<u>AVERAGE FREQUENCY OF FLIGHTS</u>	
SGAS - SAEZ / SAEZ - SGAS:	11 FLIGHTS/DAY x 365 DAYS= 4015 FLIGHTS/YEAR
OVERFLIGHTS: UA556/UM402	04 FLIGHTS/DAY x 365 DAYS= 1460 FLIGHTS/YEAR
<u>TOTAL AVERAGE:</u>	15 FLIGHTS/DAY x 365 DAYS= 5475 FLIGHTS
<u>DAILY SAVINGS</u>	<u>ANNUAL SAVINGS</u>
15 FLIGHTS x 3NM= 45NM	45NM x 365= 16.425NM



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