



AP/ATM/5
WP/17
06/06/03

**International Civil Aviation Organization
UNDP/ICAO Regional Project RLA/98/003
Transition to the CNS/ATM Systems in the CAR and SAM Regions**

**Fifth Meeting/workshop of Air Traffic Management (ATM) Authorities and
Planners for RVSM, RNAV routes and RNP implementation in the CAR and SAM Regions
(AP/ATM/5 RVSM-RNAV-RNP)**

(Panama, Panama, 18 to 20 June 2003)

Agenda Item 1: Review of the RNAV routes Implementation Program.

RNAV route between ASIMO and SLI VOR

(Presented by IATA)

Summary

This working paper presents the development status of RNAV route between ASIMO fix at Mendoza FIR and Sao Luis SLI VOR at Belem FIR.

1. After ATM/4, IATA circulated coordinates, distances and bearings of this route to Civil Aviation Authorities of Argentina, Brazil, and Paraguay. Each of these three States effected the necessary changes to the route, and agreed with the final route draft. At the same time, airlines planning to operate therein provided IATA with their approval.
2. Route is presented at Appendix A and includes intersections with other routes and FIRs. The next step to be taken by the CAAs is selection of the intersections that will be nominated as compulsory reporting points, on request reporting points or just not to be nominated.
3. IATA proposes implementation of the route as a pre-operational route (UT) for a period of six month. This will allow the CAAs and the airlines time for validation prior definitive implementation.
4. **Action Required**
 - a) To establish date for the States to provide fixes that will be included in the route.
 - b) To implement the route as a pre-operational route for a period of six months.
 - c) To establish an AIRAC date for AICs publication.
 - d) To establish implementation date.

A-1

RNAV ROUTE FROM ASIMO TO SAO LOUIS VOR (SLI) - VERSION 4 – 06 JUL 2003

Name of Point	Longitude	Latitude	Geographic heading	Magnetic Variation	Magnetic Heading	Distance nm	Controlling Unit	Remarks
ASIMO	S 31° 53' 00"	W 070° 19' 00"					Santiago/Mendoza	Entering SAMV FIR
00002	S 31° 11' 21"	W 069° 19' 08"	051/231°	03°E	048/228°	65.9	Mendoza	Crossing UB560
00003	S 30° 23' 05"	W 068° 10' 17"	051/231°	02°E	049/229°	76.3	Mendoza	Crossing UT100
00004	S 30° 13' 26"	W 067° 57' 01"	050/230°	01°E	049/229°	15.0	Mendoza/Cordoba	Entering SACU
LAR VOR	S 29° 23' 18"	W 066° 48' 12"	050/230°	00°E	050/230°	78.0	Cordoba	La Rioja VOR
KAKAN	S 29° 23' 42"	W 066° 22' 12"	049/230°	02°W	051/231°	30.0	Cordoba	La Rioja VOR
CAT VOR	S 28° 35' 00"	W 065° 44' 48"	049/229°	01°W	050/230°	43.6	Cordoba	Catamarca VOR – UW3
00008	S 28° 00' 45"	W 065° 09' 40"	042/222°	02°W	044/224°	46.2	Cordoba	Crossing UL550
00009	S 27° 47' 13"	W 064° 55' 46"	042/222°	03°W	045/225°	18.3	Cordoba	Crossing UR550
00010	S 27° 23' 46"	W 064° 31' 41"	042/222°	04°W	046/226°	31.7	Cordoba	Crossing UA303
00011	S 26° 57' 41"	W 064° 04' 55"	042/222°	04°W	046/226°	35.3	Cordoba	Crossing UW7
00012	S 26° 40' 16"	W 063° 47' 02"	042/222°	05°W	047/227°	23.6	Cordoba	Crossing UA558
MTQ VOR	S 25° 44' 54"	W 062° 52' 06"	042/222°	05°W	047/227°	74.1	Cordoba	Monte Quemado VOR
00014	S 24° 49' 50"	W 061° 55' 14"	043/223°	06°W	049/229°	75.3	Cordoba/Resistencia	Entering SARU FIR
00015	S 24° 39' 40"	W 061° 44' 44"	043/223°	07°W	050/230°	13.9	Resistencia	Crossing UR560
EDVIN	S 23° 50' 00"	W 060° 53' 30"	043/223°	08°W	051/231°	68.2	Resistencia/Asuncion	Entering SGFA X UA301
00017	S 23° 13' 59"	W 060° 21' 04"	040/220°	09°W	049/229°	46.7	Asuncion	Crossing UL216
00018	S 22° 45' 32"	W 059° 55' 31"	040/220°	09°W	049/229°	36.9	Asuncion	Crossing UA320-321
00019	S 20° 34' 17"	W 057° 59' 51"	040/220°	10°W	050/230°	169.6	Asuncion/Curitiba	Entering SBCW FIR
00020	S 20° 08' 49"	W 057° 37' 55"	039/219°	12°W	051/231°	32.7	Curitiba	Crossing UA300
00021	S 19° 21' 53"	W 056° 57' 28"	039/219°	12°W	051/231°	60.4	Curitiba	Crossing UA304
TOSAR	S 17° 39' 00"	W 055° 31' 30"	039/219°	13°W	052/232°	131.3	Curitiba/Brasilia	Entering SBBS FIR X UB554 UW28
00023	S 17° 09' 49"	W 055° 07' 31"	038/218°	15°W	053/233°	37.1	Brasilia	Crossing UL655
00024	S 16° 52' 17"	W 054° 53' 08"	038/218°	15°W	053/233°	22.3	Brasilia	Crossing UW45
00025	S 16° 09' 50"	W 054° 18' 16"	038/218°	15°W	053/233°	54.0	Brasilia	Crossing UL201
00026	S 15° 57' 38"	W 054° 08' 14"	038/218°	16°W	054/234°	15.6	Brasilia	Crossing UW10
00027	S 14° 42' 27"	W 053° 07' 11"	038/218°	16°W	054/234°	95.5	Brasilia	Crossing UL795 UW9

EGOLA	S 13° 06' 18''	W 051° 50' 24''	038/218°	17°W	055/235°	121.7	Brasilia	Crossing UA315-317-565
00029	S 12° 28' 19''	W 051° 22' 13''	036/216°	18°W	054/234°	46.9	Brasilia	Crossing UZ6
00030	S 11° 49' 11''	W 050° 53' 11''	036/324°	18°W	054/306°	48.4	Brasilia	Crossing UL304
00031	S 11° 13' 04''	W 050° 26' 23''	036/324°	18°W	054/306°	44.6	Brasilia	Crossing UA312
00032	S 10° 57' 33''	W 050° 14' 52''	036/324°	18°W	054/306°	19.2	Brasilia	Crossing UL776
00033	S 10° 29' 14''	W 049° 53' 52''	036/324°	19°W	055/305°	35.0	Brasilia/Belem	Entering SBBL FIR
00034	S 09° 58' 55''	W 049° 31' 47''	036/324°	19°W	055/305°	37.3	Belem	Crossing UT419
00035	S 09° 02' 46''	W 048° 51' 02''	036/324°	19°W	055/305°	69.1	Belem	Crossing UB680
00036	S 08° 24' 11''	W 048° 23' 02''	036/324°	19°W	055/305°	47.5	Belem	Crossing UW4
00037	S 07° 40' 51''	W 047° 51' 35''	036/324°	20°W	056/304°	53.4	Belem	Crossing UW16
00038	S 06° 43' 00''	W 047° 10' 16''	035/325°	20°W	055/305°	70.9	Belem	Crossing UZ3
00039	S 06° 33' 59''	W 047° 03' 49''	035/325°	20°W	056/304°	11.1	Belem	Crossing UW5
00040	S 03° 39' 34''	W 044° 59' 47''	035/325°	20°W	056/304°	213.7	Belem	Crossing UZ7
SLI VOR	S 02° 35' 24''	W 044° 14' 24''	035/325°	20°W	056/304°	78.6	Belem	Sao Luis VOR

Note.- Changes respect version one

Route was reroute through existing fixes EDVIN, TOSAR and EGOLA

Changes respect version one and two

Back geographic and magnetic headings corrected

Changes to version 3

Route proceeds directly from ASIMO to LAR to CAT to MTQ to EDVIN

VOR JUA is not part of the route anymore