



SAM/IG/5
IP/09
10/5/10

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

**FIFTH WORKSHOP/MEETING OF THE SAM IMPLEMENTATION GROUP (SAM/IG/5)
REGIONAL PROJECT RLA/06/901**

Lima, Peru, 10 to 14 May 2010

Agenda Item 2: Optimization of the ATS routes

RNAV Route implementation in the CAR/SAM Region

(Presented by IATA)

Summary

This working paper informs of the operational efficiencies and cost savings to the airspace users of the implementation of new and proposed RNAV routes.

1 Background

1.1 IATA is working with States, the ICAO Regional Offices and FAA to implement additional RNAV routes throughout CAR/SAM region. This network of RNAV routes is expected to result in significant operational efficiency and cost savings to airspace users.

1.2 The addendum provides detailed information about the potential savings associated with new routes under development, as well as new proposed routes.

2 Discussion

2.1 IATA requests implementation of these more efficient direct RNAV routes between major city pairs in the LATAM / CAR region. Along with these routes the need exists for RNAV SID and STAR development to accommodate these routes.

2.2 The meeting is asked to take note of this information and to contact IATA for any questions or additional information required. The meeting is also asked to support the implementation of these routes and the development of future RNAV routes in the region.

3 Suggested action

3.1 The meeting is asked to take note of this information and to contact IATA for any questions or additional information required.

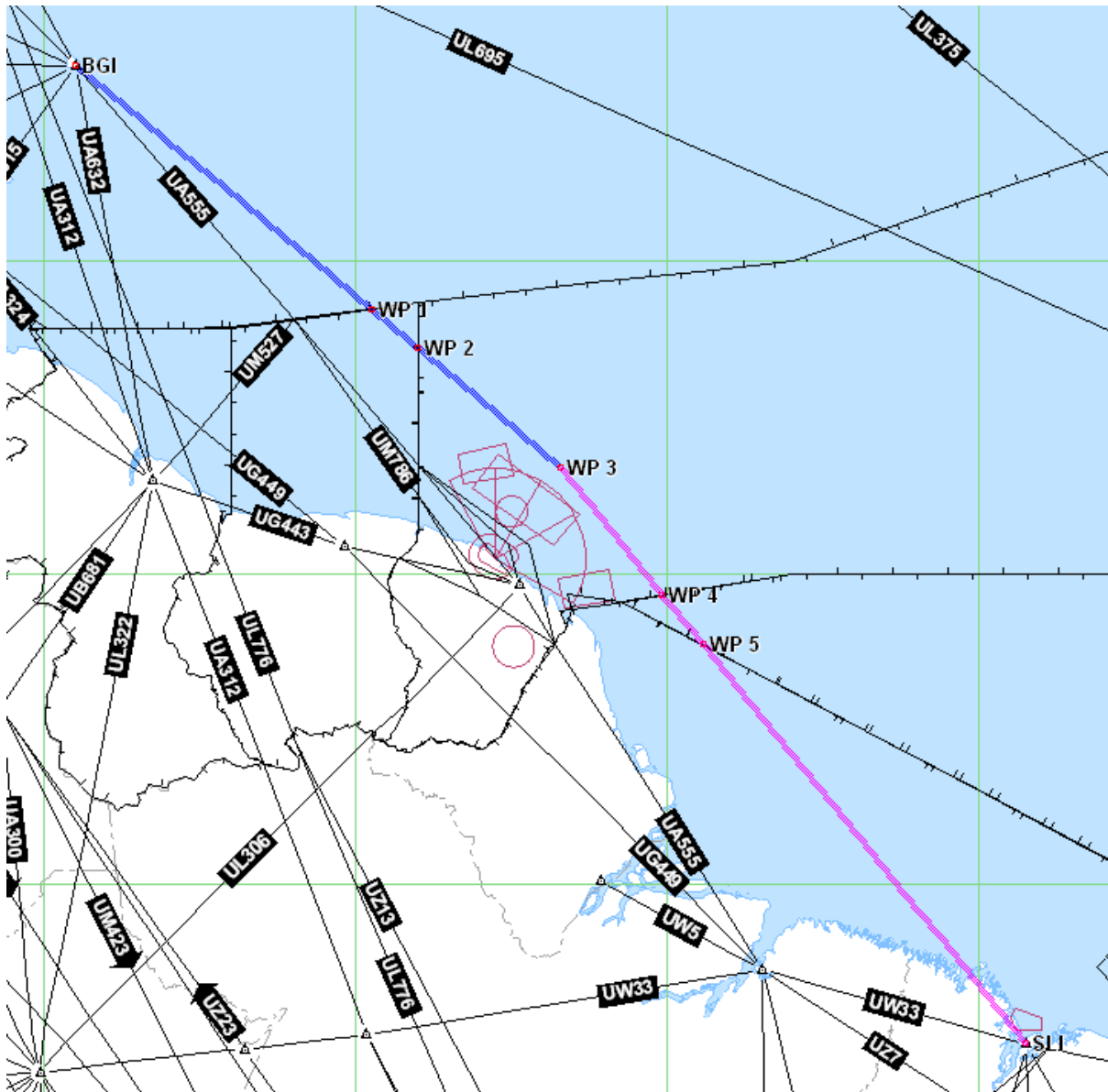
3.2 The meeting is asked to support the implementation of these routes and the development of future RNAV routes in the region.

3.3 The meeting is requested establish dates for the evaluation and/or implementation of the proposed routes.

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KMIA – SBSV - KMIA

Overwater option to stay clear of the rocket launch facilities in French Guiana



BGI: N13° 04.5 / W 59° 29.0

WP1: N09° 14.2 / W54° 44.2

WP2: N08° 37.1 / W54° 00.3

WP3: N06° 42.6 / W 51° 42.3

WP4: N04° 39.3 / W50° 04.5

WP5: N03° 51.4 / W49° 25.3

SLI: S02° 35.4 / W 44° 14.4

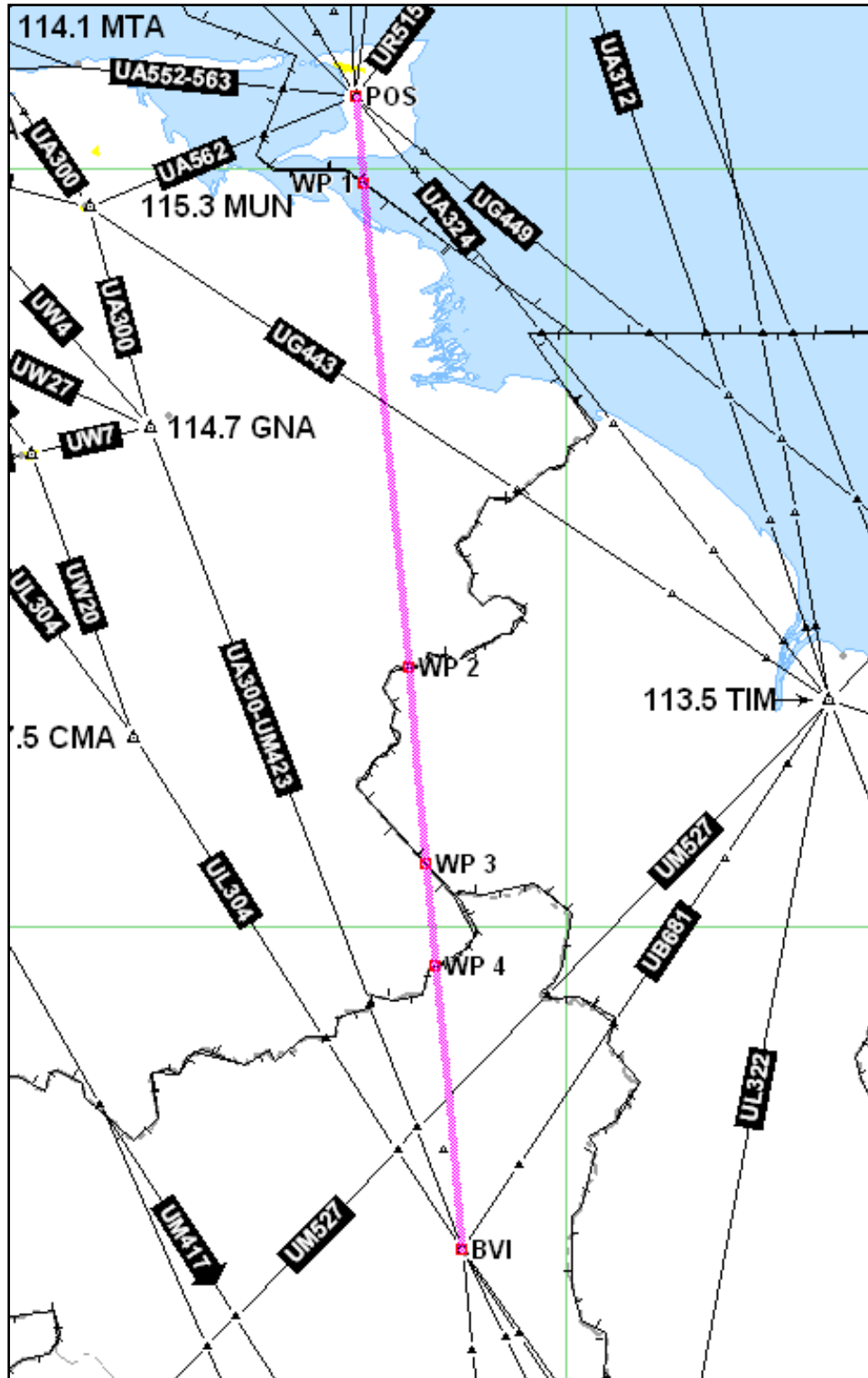
Airway: UZ20, SVD

POS – EZE

Via Piarc(POS) RNAV Direct Boa Vista (BVI)

POS N 10° 28.0' / W61° 23.5'
WP1 N 9° 53.46' / W61° 20.19' Miaquetia UIR
WP2 N 6° 42.54' / W61° 02.34' Georgetown UIR
WP3 N 5° 24.32' / W 60° 55.20 Georgetown UIR
WP4 N 4° 23.51' / W 60° 51.35 Amazonica UIR

Savings for flights from the US East coast to EZE



SCL – GRU – SCL Route

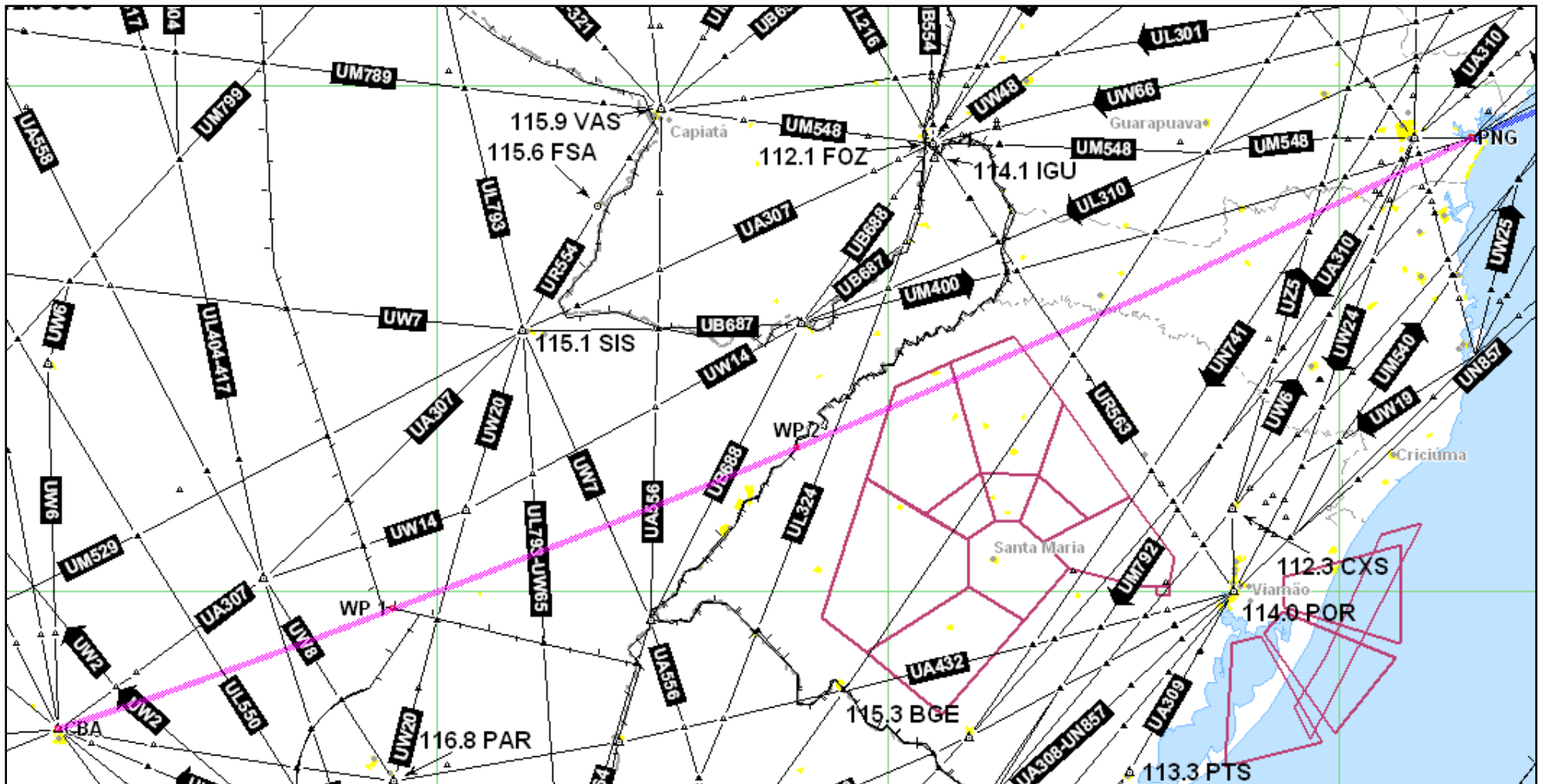
Cordoba VOR **S 31° 18.8' / W64° 12.1'**

Direct WP1: Cordoba / Resistencia FIR **S 30° 09.35' / W60° 28.47'**

Direct WP2: Resistencia / Curitiba FIR **S 28° 35.48" / W 56° 00.51"**

Direct PNG NDB **S 25° 32.1 / W 48° 31.9**

Savings over NAV Route UA307, UW14, UM400 = 15NM



KMIA - SBSV

Belem VOR (BEL) S 01° 23.1' / W 48° 28.7'

WP1 S 5° 31.28' / W 44° 40.51' Amazonica / Recife FIR

FLOCK S 10° 58.8' / W 39° 32.8'

Airway UZ20 - SVD

Savings 25NM compared to BEL, UZ7, TRS, UZ20, SVD.

