



AP/ATM/5
WP/18
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 Taboga VOR TBG to fix MAELLA

(Presented by IATA)

Summary

This working paper presents the development status of RNAV route from Taboga VOR TBG at Panama to MAELLA fix at San Juan Puerto Rico FIR.

1. After ATM/4, IATA circulated coordinates, distances, and bearings of this route to the Civil Aviation Authorities of Colombia, Curaçao, Panamá, and Santo Domingo. Each of these four 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. The route is presented in Appendix A and includes all intersections with other routes and FIRs. The next step to be taken by the CAAs is the selection of the intersections will be nominated as compulsory reporting points, on request reporting points or just not to be nominated.
3. IATA proposes the 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 a date for the States to provide necessary compulsory and non-compulsory names.
 - 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 r final implementation date

-RNAV ROUTE FROM TABOGA TBG VOR TO FIX MAELLA - VERSION 3 – 16 APR 2003

Name of fix	Longitude	Latitude	Geographic heading	Magnetic Variation	Magnetic Heading	Distance nm	Controlling Unit	Remarks
TBG VOR	N08° 47' 12"	W079° 33' 42"		2°W			Panama	Taboga VOR
00001	N09° 19' 32"	W078° 54' 59"	050/230°	3°W	052/232°	50.1	Panama	Crossing UG447
00002	N09° 37' 20"	W078° 33' 39"	050/230°	3°W	053/233°	27.6	Panama	Crossing UB689
00003	N10° 34' 30"	W077° 25' 00"	050/230°	4°W	053/233°	88.5	Panama/Barranquilla	Entering SKEC FIR
00004	N10° 50' 51"	W077° 05' 04"	050/230°	4°W	054/234°	25.5	Barranquilla	Crossing UG445
00005	N11° 15' 52"	W076° 34' 34"	050/230°	5°W	054/234°	39.0	Barranquilla	Crossing UA552
00006	N11° 46' 37"	W075° 57' 04"	050/230°	5°W	055/235°	47.9	Barranquilla	Crossing UG430
00007	N12° 20' 24"	W075° 15' 28"	050/230°	6°W	055/235°	52.9	Barranquilla	Crossing UA301
00008	N12° 34' 32"	W074° 57' 52"	050/230°	6°W	056/236°	22.3	Barranquilla	Crossing UL417
00009	N13° 03' 34"	W074° 21' 43"	050/230°	6°W	056/236°	45.7	Barranquilla	Crossing UW5
00010	N13° 34' 24"	W073° 43' 18"	050/230°	7°W	056/236°	48.5	Barranquilla	Crossing UR640
SELAN	N13° 53' 00"	W073° 20' 00"	050/230°	7°W	057/237°	29.3	Barranquilla/ Curaçao	Entering TNCF FIR
00012	N14° 32' 37"	W072° 31' 40"	050/230°	8°W	057/237°	61.4	Curaçao	Crossing UG442
00013	N14° 36' 46"	W072° 26' 47"	050/230°	8°W	058/238°	6.2	Curaçao	Crossing UL795
00014	N15° 32' 20"	W071° 19' 13"	050/230°	9°W	058/238°	85.7	Curaçao	Crossing UA511
VESKA	N16° 00' 00"	W070° 45' 00"	050/230°	9°W	059/239°	43.0	Curaçao/ Santo Domingo	Entering MDSD FIR
00016	N16° 24' 05"	W070° 15' 17"	050/230°	10°W	059/239°	37.3	Santo Domingo	Crossing UW15
00017	N16° 30' 11"	W070° 07' 46"	050/230°	10°W	060/240°	9.4	Santo Domingo	Crossing UW7
00018	N16° 38' 19"	W069° 57' 44"	050/230°	10°W	060/240	12.6	Santo Domingo	Crossing UA567
00019	N17° 00' 18"	W069° 30' 35"	050/230°	10°W	060/240	34.0	Santo Domingo	Crossing UG446
00020	N17° 17' 47"	W069° 09' 01"	050/230°	10°W	060/240	27.0	Santo Domingo	Crossing UA554
MELLA	N18° 13' 00"	W068° 00' 00"	050/230°	11°W	060/240	85.8	Santo Domingo/San Juan	Entering TJZS

Changes from version 1:

SELAN and VESKA fixes are incorporated into the route.

Changes from version 1 and 2:

Error on the back heading.