



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

**Tenth Meeting/Workshop of ATM Authorities and Planners in the CAR/SAM Regions
(AP/ATM/10)**

(Lima, Peru, from 10 to 14 May 2005)

Agenda Item 1: RNAV Routes Implementation Program in the CAR/SAM Regions

a) Follow up of the status of Implementation Phase II-a

(Presented by Chile)

Summary

The purpose of this information paper is to specify modifications to structure of national routes in Chilean air space.

1. Introduction.

1.1 As a result of the change of VOR/DME CALDERA with VOR/DME ATACAMA (DAT) and the route designator G679 with L525 in the TOY VOR/DME and ARICA VOR/DME segment effective 17 March 2005 and after analyzing the operational status of route G679 it has been decided to eliminate this route and extend route **V/W200**, **VW101** and **U/T100** in national air space.

2. Discussion

2.1 According to the above paragraph the following are modifications performed.

2.2 Complete elimination of route **V/G679** between TONGOY (TOY) VOR/DME in Santiago FIR (SCEZ) and PUERTO AGUIRRE VOR/DME (PAR) in Puerto Montt FIR (SCTZ).

2.3 Route **V/W200** between TONGOY (TOY) VOR/DME in Santiago FIR (SCEZ) and PUERTO MONTT VOR/DME (PAR) in Puerto Montt FIR (SCTZ) is extended.

2.4 Route **VW101** between PUERTO AGUIRRE VOR/DME (PAR) and PUERTO MONTT VOR/DME (PAR) in Puerto Montt FIR (SCTZ) is extended.

2.5 Route **RNAV T100** between PUERTO AGUIRRE VOR/DME (PAR) and PUERTO MONTT VOR/DME (MON) in Puerto Montt FIR (SCTZ) is extended.

2.6 Route **RNAV UT100** between PUERTO AGUIRRE VOR/DME (PAR) in Puerto Montt FIR (SCTZ) and SANTIAGO VOR/DME (AMB) in Santiago FIR (SCEZ) is extended.

3. Suggested Action

3.1 The meeting is invited to initiate the appropriate amendment process for the:

- a) Elimination of AWY V/G679 in the VOR/DME TONGOY (TOY) – VOR/DME PUERTO AGUIRRE (PAR) segment.
- b) Extension of route V/W200 in the VOR/DME TONGOY (TOY) and VOR/DME PUERTO MONTT (MON) segment.
- c) Change of VOR/DME CALDERA (CLD) with VOR/DME ATACAMA (DAT) in the structure of routes VW200, UW200, UW204 and UL650.
- d) The extension of route VW101 in the VOR/DME PUERTO AGUIRRE (PAR) and VOR/DME PUERTO MONTT (MON) segment.
- e) The extension of route RNAV T100 in the VOR/DME PUERTO AGUIRRE (PAR) and VOR/DME PUERTO MONTT (MON) segment.
- f) The extension of route RNAV UT100 in the VOR/DME PUERTO AGUIRRE (PAR) and VOR/DME SANTIAGO (AMB) segment.

APPENDIX A

I. VW200

ROUTE DESCRIPTION

ARICA VOR/DME (ARI) 182210S-702047W	A FL245 FL75	
CAMAR INT 192228S-701535W	A FL245 FL75	
IQUIQUE VOR/DME (IQQ) 202229S-701021W	A FL245 FL75	
REBOL INT 215515S-701836W	A FL245 FL125	
ANTOFAGASTA VOR/DME (FAG) 232801S-702652W	A FL245 FL105	
KENNA INT 242759S-703237W	A FL245 FL135	
ATACAMA VOR/DME (DAT) 271646S-704639W	A FL245 FL95	FIR ANTOFAGASTA
TONGOY VOR/DME (TOY) 301635S-712825W	A FL245 FL55	FIR SANTIAGO
VENTANAS VOR/DME (VTN) 324419S-712946W	A FL245 FL55	
SANTO DOMINGO VOR/DME (SNO) 333957S-713710W	A FL245 FL75	
CONCEPCION VOR/DME (CAR) 364520S-730311W	A FL245 FL75	
PUREN INT 374530S-730330W	A FL245 FL75	FIR SANTIAGO FIR PUERTO MONTT
HUILO INT 385332S-730439W RDL 242° VOR/DME TCO	A FL245 FL55	
VALDIVIA VOR/DME (VLD) 394016S-730508W	A FL245 FL55	
KARAK INT 402543S-730531W		

<p>D60 VOR/DME MON</p> <p>PUERTO MONTT VOR/DME (MON) 412545S-730531W</p>	<p>A FL245 FL35</p>	
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II. W200

<p>IQUIQUE NDB (UCU) 203416S-701100W</p> <p>MEJILLONES NDB (MJL) 230633S-702635W</p> <p>CALDERA NDB (CLD) 270437S-704907W</p> <p>TONGOY NDB (TOY) 301547S-712847W</p> <p>QUINTERO NDB (ERO) 324420S-712948W</p> <p>SANTO DOMINGO NDB (SNO) 333904S-713646W</p> <p>CONSTITUCION NDB (CTN) 351820S-722246W</p> <p>CONCEPCION NDB (CE) 365127S-730650W</p> <p>HUILO INT 385332S-730439W</p> <p>QDM 062° NDB TCO</p> <p>VALDIVIA NDB (VLD) 394320S-730501W</p> <p>KARAK INT 402543S-730531W</p> <p>PUERTO MONTT NDB (TEP) 412616S-730514W</p>	<p>A FL245 FL75</p> <p>A FL245 FL105</p> <p>A FL245 FL75</p> <p>A FL245 FL55</p> <p>A FL245 FL55</p> <p>A FL245 FL45</p> <p>A FL245 FL45</p> <p>A FL245 FL75</p> <p>A FL245 FL55</p> <p>A FL245 FL45</p> <p>A FL245 FL35</p>	<p>FIR ANTOFAGASTA FIR SANTIAGO</p> <p>FIR SANTIAGO FIR PUERTO MONTT</p>
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III. VW101

<p>BALMACEDA VOR/DME (BAL) 455447S-714245W</p> <p>PUERTO AGUIRRE VOR/DME (PAR) 450933S-733121W</p> <p>KORKO INT 430852S-731640W</p> <p>CAUKE INT 422531S-731207W</p> <p>PUERTO MONTT VOR/DME (MON) 412545S-730531W</p>	<p>A FL245 FL115</p> <p>A FL245 FL105</p> <p>A FL245 FL45</p> <p>A FL245 2500 FT</p>	<p>FIR PUERTO MONTT</p>
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IV. UT100

TOTAL DESCRIPTION OF THE ROUTE

<p>PUNTA ARENAS VOR/DME (NAS) 530013S-705113W</p> <p>PUERTO NATALES VOR/DME (PNT) 514406S-722653W</p> <p>KILAK INT 502159S-734602W</p> <p>VELAT INT 490000S-734200W</p> <p>SATIN INT 470000S-733625W</p> <p>PUERTO AGUIRRE VOR/DME (PAR) 450933S-733121W</p> <p>PUERTO MONTT VOR/DME (MON) 412545S-730531W</p>	<p>A FL450 FL245</p> <p>A FL450 FL245</p> <p>A FL450 FL245</p> <p>A FL450 FL245</p> <p>A FL450 FL245</p> <p>A FL450 FL245</p> <p>A FL450 FL245</p>	<p>FIR PUNTA ARENAS FIR PUERTO MONTT</p> <p>FIR PUERTO MONTT FIR SANTIAGO</p>
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<p>VALDIVIA VOR/DME (VLD) 394016S-730508W</p> <p>ESKOT INT 351814S-720222W RDL 204° D100 VOR/DME AMB</p> <p>SANTIAGO VOR/DME (AMB) 332511S-704704W</p>	<p>A FL450 FL245</p>	
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V. T100

<p>PUNTA ARENAS VOR/DME (NAS) 530013S-705113W</p> <p>PUERTO NATALES VOR/DME (PNT) 514406S-722653W</p> <p>KILAK INT 502159S-734602W</p> <p>VELAT INT 490000S-734200W</p> <p>SATIN INT 470000S-733625W</p> <p>PUERTO AGUIRRE VOR/DME (PAR) 450933S-733121W</p> <p>KORKO INT 430852S-731640W</p> <p>CAUKE INT 422531S-731207W</p> <p>PUERTO MONTT VOR/DME (MON) 412545S-730531W</p> <p>KARAK INT 402543S-730531W D60 VOR/DME MON</p>	<p>A FL245 FL65</p> <p>A FL245 FL145</p> <p>A FL245 FL145</p> <p>A FL245 FL145</p> <p>A FL245 FL165</p> <p>A FL245 FL105</p> <p>A FL245 FL45</p> <p>A FL245 2500 FT</p> <p>A FL245 FL35</p> <p>A FL245 FL55</p> <p>A FL245 FL75</p>	<p>FIR PUNTA ARENAS FIR PUERTO MONTT</p> <p>FIR PUERTO MONTT FIR SANTIAGO</p>
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VALDIVIA VOR/DME (VLD) 394016S-730508W	A FL245 FL75	
HUILO INT 385332S-730439W RDL 242° VOR/DME TCO	A FL245 FL75	
PUREN INT 374530S-730330W	A FL245 FL215	
CONCEPCION VOR/DME (CAR) 364520S-730311W	A FL245 FL215	
ESKOT INT 351814S-720222W RDL 204° D100 VOR/DME AMB		
SANTIAGO VOR/DME (AMB) 332511S-704704W		