



TEL/FAX: (506) 2443-1648  
AFS: MROCYOYX  
Web page: [www.dgac.go.cr](http://www.dgac.go.cr)  
e-mail: [aiscr@dgac.go.cr](mailto:aiscr@dgac.go.cr)

**REPUBLIC OF COSTA RICA**  
**GENERAL DIRECTION OF CIVIL AVIATION**  
Air Navigation Department  
AIS/MAP  
P.O. Box 5026 -1000  
SAN JOSE – COSTA RICA



**AIC**  
**Series A**  
**13**  
**21 JUN 17**

**ENR**

**IMPLEMENTATION OF THE OCEAN AIRSPACE AND RNAV / RNP10 IN THE OCEAN SUPERIOR SPACE OF THE CENTRAL AMERICAN FIR**

The General Direction of Civil Aviation communicates to users of the Central American FIR superior airspace, delegated to the Central American Area Control Center (CENAMER ACC) of the Central American Air Navigation Services Corporation (COCESNA), that with immediate and permanent effect, starts the implementation of oceanic airspace and RNAV / RNP10 in the upper airspace of the Pacific Ocean of the Central American FIR.

In order to harmonize the use of oceanic airspace with adjacent Flight Information Regions and to enable users to handle optimal levels in their most convenient flight paths in the airspace of jurisdiction, CENAMER implemented oceanic airspace and the RNAV / RNP10 in the upper airspace of the Pacific Ocean sector of the Central American FIR.

**DESCRIPTION OF THE OCEAN AIRSPACE AND THE APPLICATION OF RNAV**

RNAV / RNP10 will be applicable in the implanted oceanic airspace, delimited by the following coordinates:

URICA= 08°00'13.2"N, 082°54'55.5"W  
LESIR= 05°53'46"N, 082°55'00"W  
3= 01°25'00"N, 082°55'00"W  
4= 01°25'00"N, 092°00'00"W  
IGN CR= 09°43'38.8"N, 089°10'43.38"W  
**EXTRAPOLATED**= 09°49'08.12"N, 088°55'02.74"W  
ELENA= 10°52'05.7"N, 085°53'19.8"W

Airspace Class A: FL210 / UNL



DIRECCION GENERAL DE  
AVIACION CIVIL  
COSTA RICA

**REPUBLIC OF COSTA RICA**  
**GENERAL DIRECTION OF CIVIL AVIATION**  
Air Navigation Department  
AIS/MAP  
P.O. Box 5026 -1000  
SAN JOSE – COSTA RICA

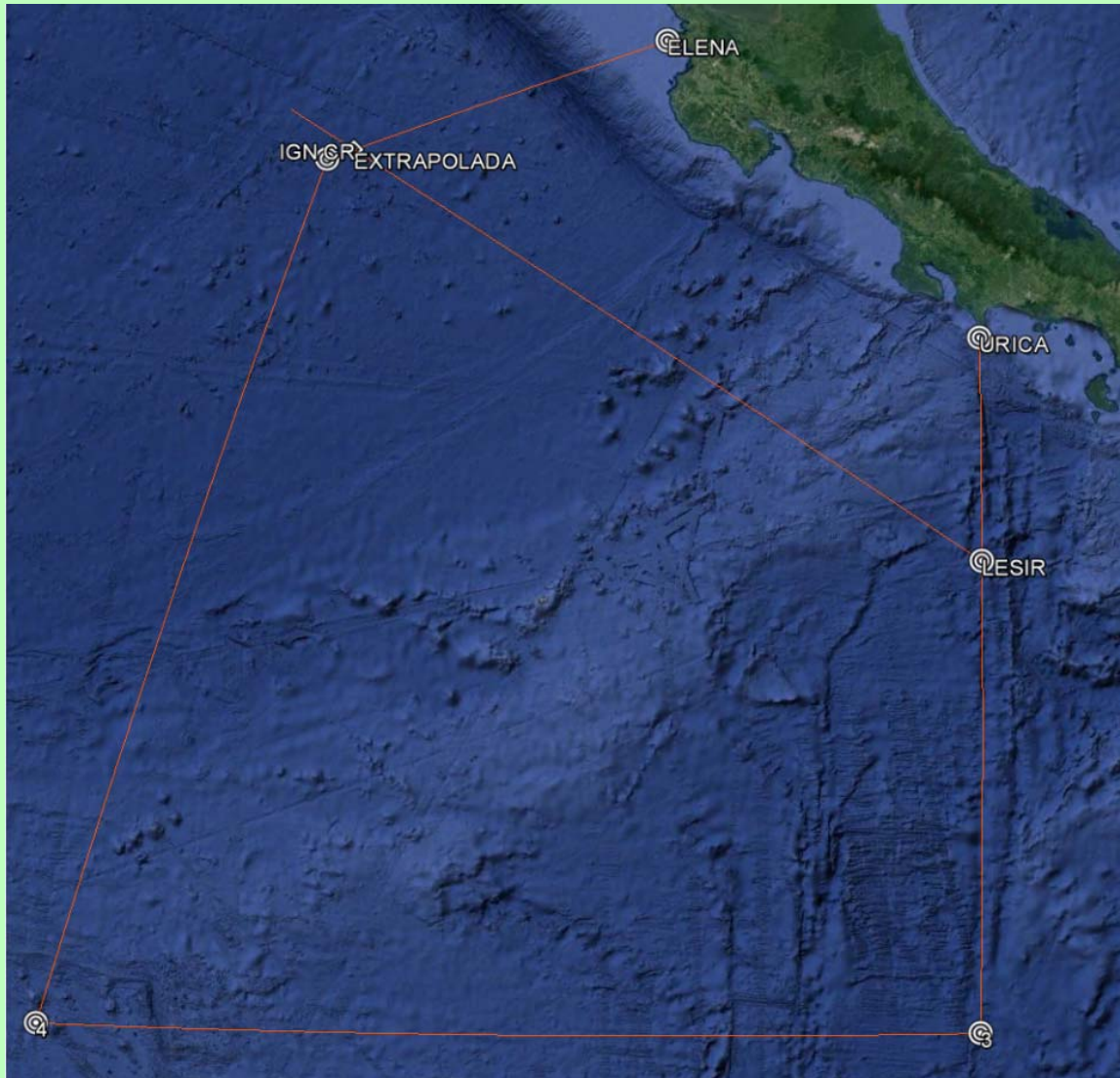


COSTA RICA  
GOBIERNO DE LA REPUBLICA

**AIC**  
**Series A**  
13  
21 JUN 17

TEL/FAX: (506) 2443-1648  
AFS: MROCYOYX  
Web page: [www.dgac.go.cr](http://www.dgac.go.cr)  
e-mail: [aiscr@dgac.go.cr](mailto:aiscr@dgac.go.cr)

-2-





TEL/FAX: (506) 2443-1648  
AFS: MROCYOYX  
Web page: [www.dgac.go.cr](http://www.dgac.go.cr)  
e-mail: [aiscr@dgac.go.cr](mailto:aiscr@dgac.go.cr)

**REPUBLIC OF COSTA RICA**  
**GENERAL DIRECTION OF CIVIL AVIATION**  
Air Navigation Department  
AIS/MAP  
P.O. Box 5026 -1000  
SAN JOSE – COSTA RICA



**AIC**  
**Series A**  
**13**  
**21 JUN 17**

-3-

## **OPERATIONS WITHIN THE OCEANIC AIRSPACE RNAV / RNP10**

Only aircrafts that have RNAV / RNP10 approval or better; will be authorized to operate within the RNAV / RNP10 oceanic airspace, allowing the following exceptions:

- (A) State aircraft;
- (B) Aircraft being used for humanitarian purposes;
- (C) Aircraft being delivered for the first time to the State of registry or to the operator.

## **APPROVAL RNAV / RNP10**

The Operator State will issue RNAV / RNP10 approval.

## **INFORMATION REGARDING RNAV / RNP10 PROCEDURES IN THE PACIFIC OCEAN AIRSPACE IMPLEMENTED**

The procedures required for the application of RNAV / RNP10 will be described as follows:

## **ATS PROCEDURES**

- a) Aircrafts flying in the designated RNAV / RNP10 oceanic airspace shall have RNAV / RNP10 approval or better.
- b) In order to indicate RNAV / RNP10 approval of a flight, the letter "R" shall be inserted in box 10 of the International Civil Aviation Organization (ICAO) Flight Plan (FPL) form. In box No.15, will be inserted the number of Mach and in box No. 18 the corresponding RNAV and / or PBN information.
- c) Side separation of 50NM between approved RNAV / RNP10 aircraft shall be applied.
- d) The applicable lateral separation between an approved RNAV / RNP10 aircraft with another RNAV / RNP10 non-approved aircraft or between RNAV / RNP10 aircraft shall be 100NM.
- e) A minimum of 10 minutes longitudinal separation or 80NM RNAV shall be used between aircraft at the same flight level, following the same bearing, secured by the Mach number technique (MNT).
- f) Aircrafts operators not authorized RNAV / RNP10 shall include the words "RMK / NONRNP10" (without spaces between letters and numbers) in box No. 18 of the ICAO FPL form.
- g) The ACC will carry out the ATS coordination through the currently established coordination mechanisms, incorporating these procedures into the Operational Letter of Agreement.
- h) Operational preference shall be given to aircraft with RNAV / RNP10 approval on aircraft without RNP approval exempt in the allocation of preferred routes by users and flight levels unless an operational advantage is obtained giving operational preference to an aircraft without approval RNAV / RNP10.
- i) CENAMER Control shall provide all possible assistance to flights experiencing contingencies in accordance with the provisions of Doc. 4444 ATM / 501, Chapter 15, 15.2 Special procedures for in-flight contingencies in oceanic airspace.

## **REFERENCE DOCUMENTS**

ICAO: Doc 9613 "Performance-Based Navigation Manual (PBN)"