



# SCM1

## *Unassigned high seas airspace*

Ms.**Ravo** RANDRIA, Director cooperation Americas  
M.**Stéphane** DURAND, Head of French Polynesia ANSP

Lima, Peru, 22 to 24th July 2019



# Objectives

- Answer the needs of the airspace users
- Collaboration with other countries within SCM



# DGAC

Direction of Air  
Transport  
  
Regulation

Direction of Civil  
Aviation Safety  
  
Civil Aviation  
Authority

Direction of Air  
Navigation  
services  
  
ANSP

State service of  
Civil Aviation  
French Polynesia

Air navigation  
Service of  
French  
Polynesia



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# Tahiti area control center with DGAC



- France has **accepted** the responsibility of providing air traffic services in Tahiti FIR (NTTT) and **designated** SEAC/SNA/PF pursuant to Article 28 of Chicago Convention and annex 11



- Tahiti centre is regulated, inspected and operated by the French civil aviation authority (DGAC France)



# Tahiti area control center with DGAC

- The oversight of Tahiti is ensured by French CAA inspectors based in Paris with the support of the regional CAA
- The oversight is executed in accordance with European Commission Regulation EC Reg 1034/2011
- Tahiti is audited regularly, every 24 months
- The last audit took place in December 2018



# ANSP capabilities

# Executive summary



Assisting ICAO in the **provision of the ANS** in the unassigned high seas airspace would be an extension of what Tahiti, an ICAO compliant and EU certified ANSP, has **provided for the last decades for the airspace users** in a 12,5 Mill.km<sup>2</sup> oceanic remote area.

Our participation in this project would have a **limited impact** in terms of technical systems and of human resources (skills and staffing levels).



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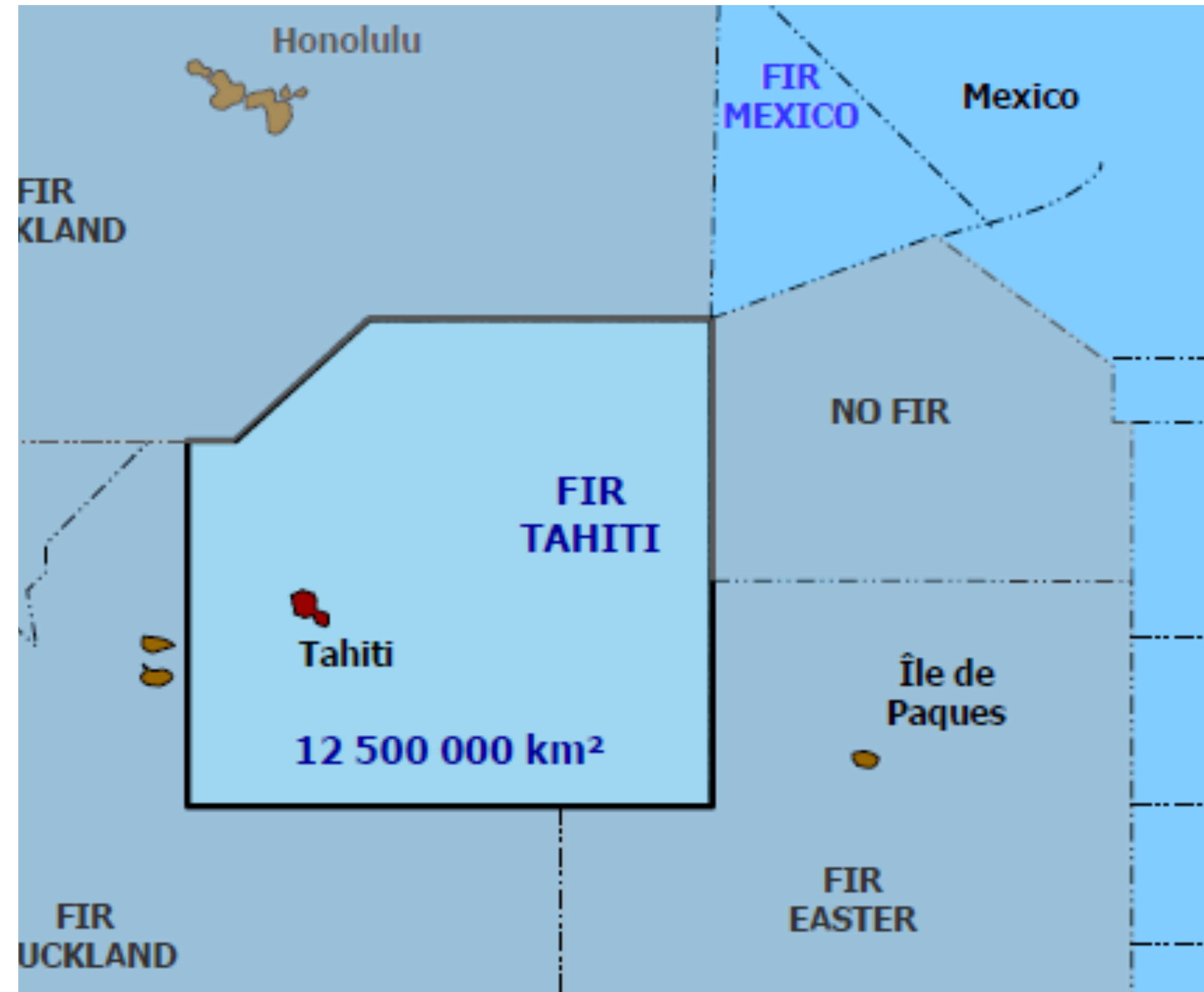
# Summary

- Tahiti ANSP introduction
- Capabilities - ATC services
- Capabilities - Information services
- Capabilities - Alert services - SAR



# ANSP introduction

- Under the supervisory of French CAA
  - Safety - EU certified ANSP
  - Training – EU certified Training Unit (like ENAC)
- Quality - ISO 9001/2015
- Additional audit in 2019
  - Cybersecurity – March
  - Financial – April
  - Management process– June



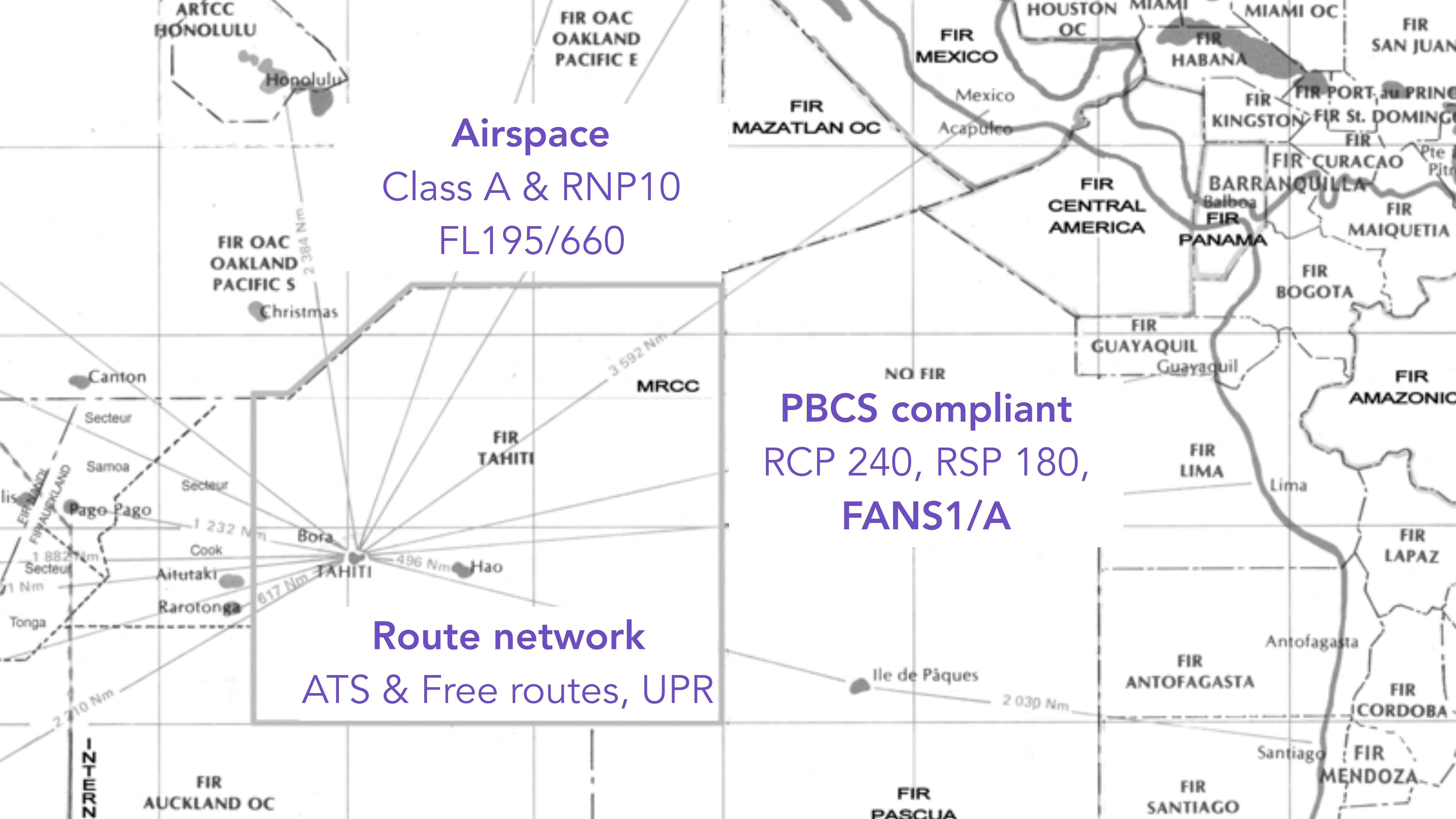
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**Airspace**  
**Class A & RNP10**  
**FL195/660**

**PBCS compliant**  
**RCP 240, RSP 180,**  
**FANS1/A**

**Route network**  
**ATS & Free routes, UPR**



# Capabilities - ATC Service

# Surveillance : ADS/C, ADS/B, Radar

On board ADS



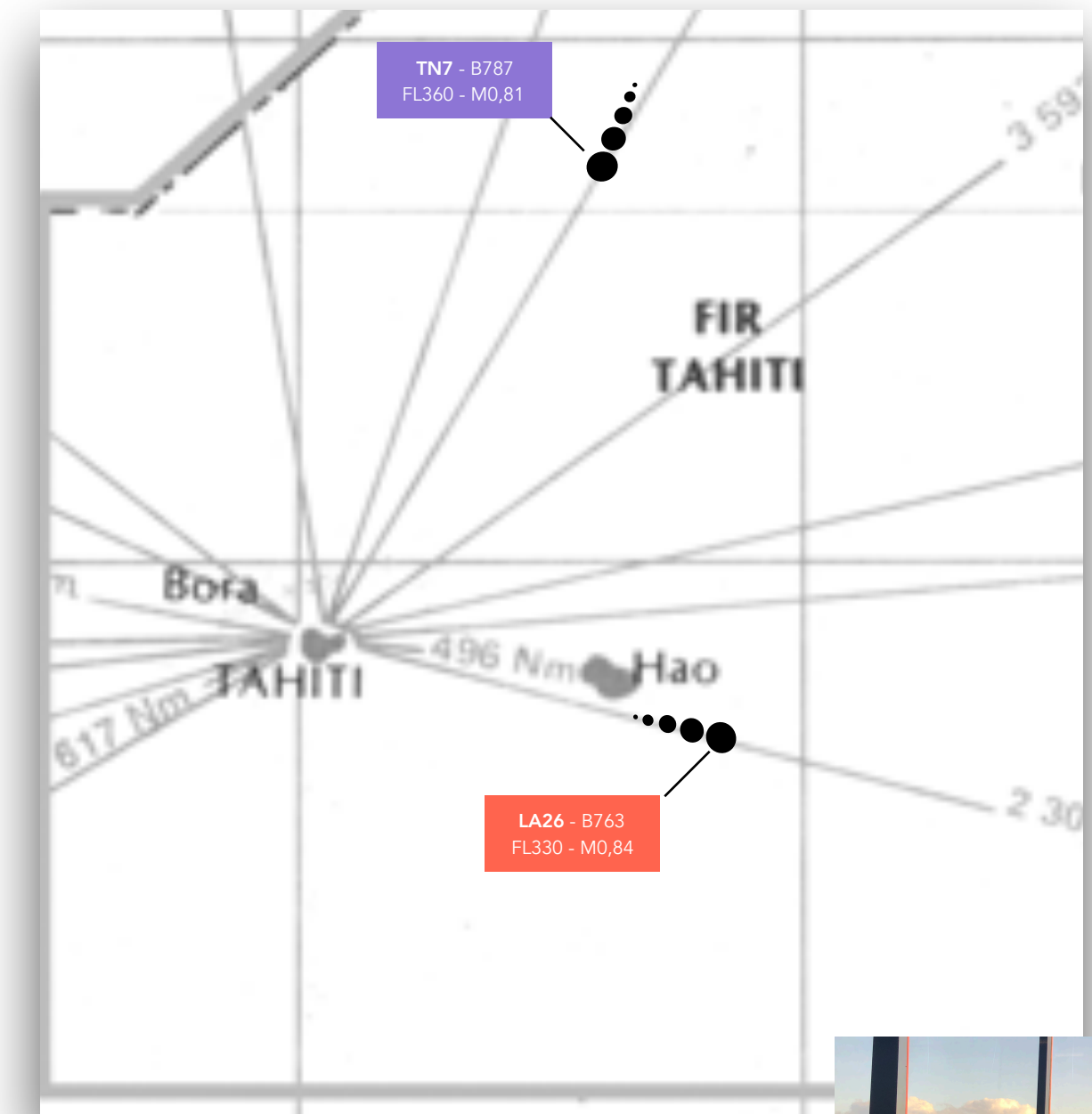
Pilot interface

ADS reports

ADS contracts

Messages Pilot - Controller

ADS - ATM System



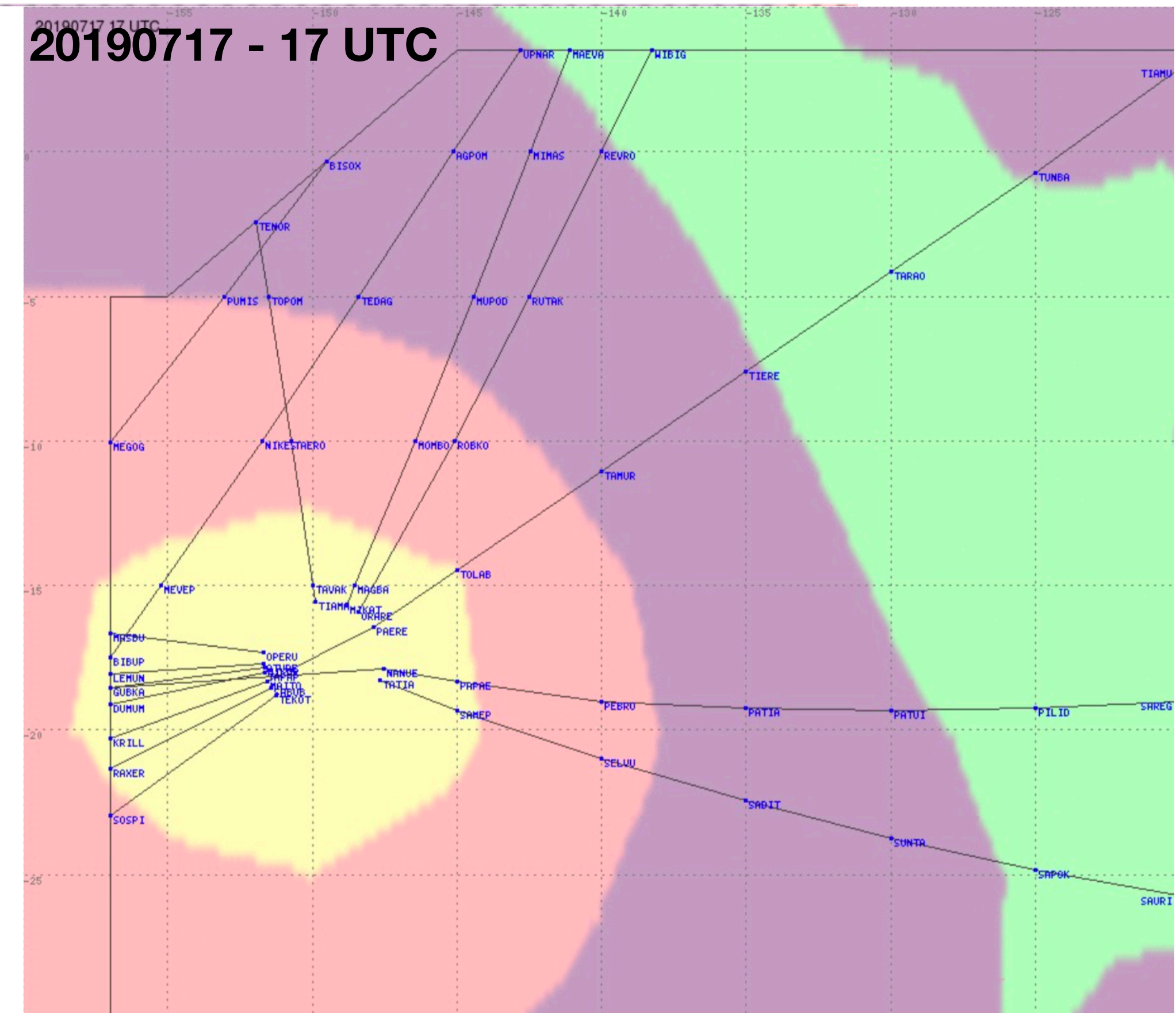
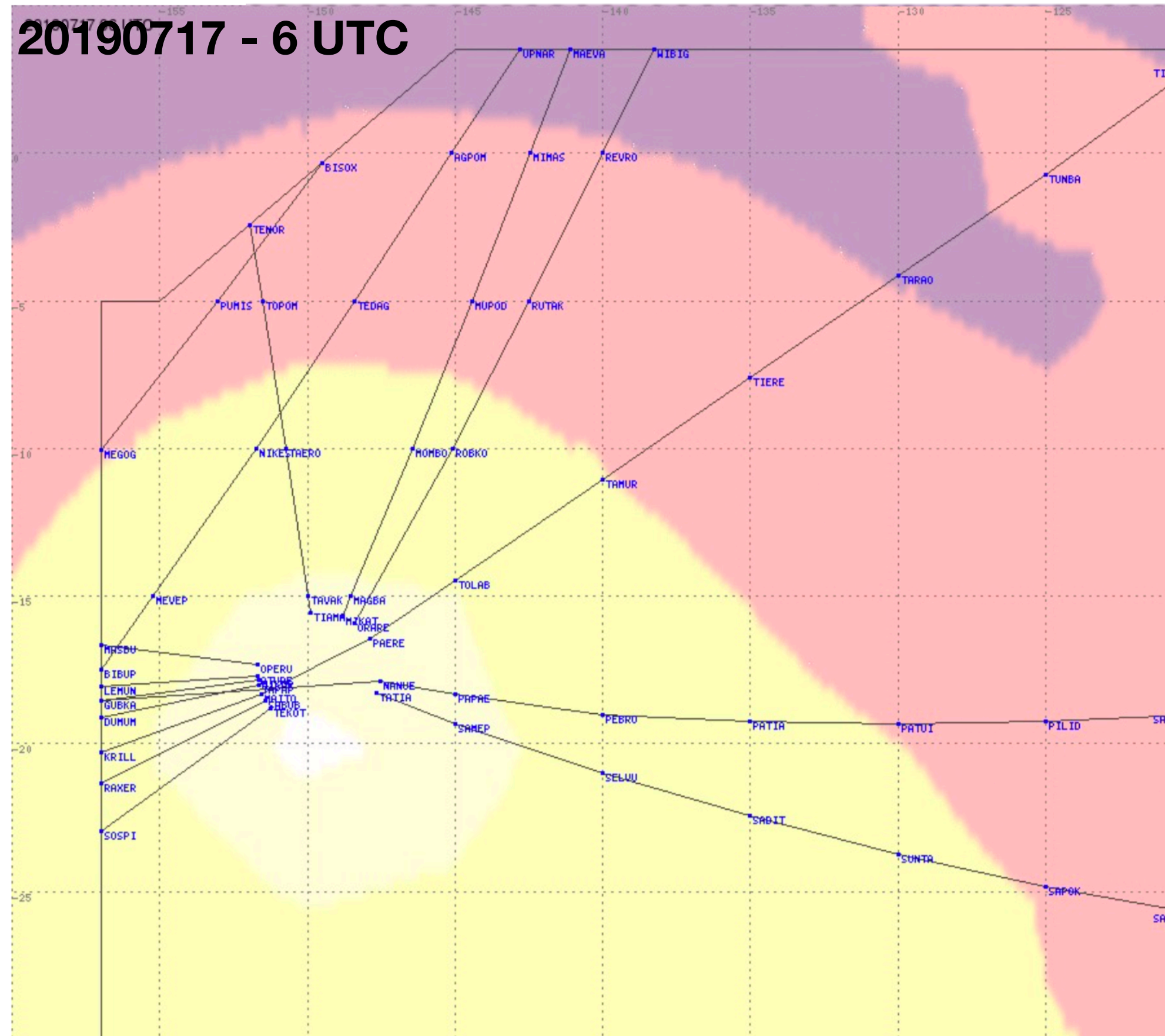
Controller interface



## Communication : CPDLC, Direct HF, VHF

# Monitorina 6 HF frequencies

2.8 MHz   3.5 MHz   5.6 MHz   8.9 MHz   13.3 MHz   17.9 MHz   None



# Coordination

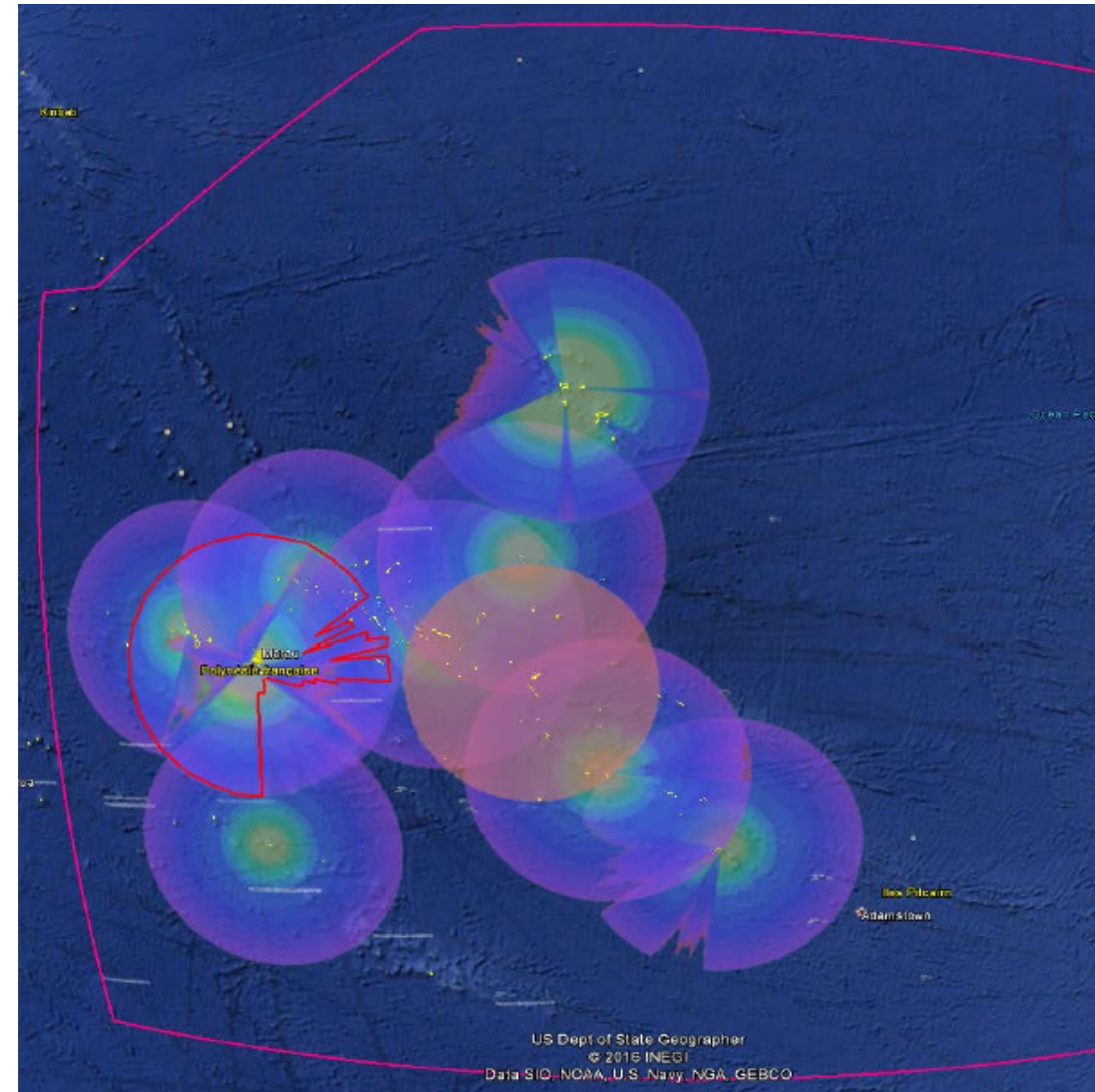
- AIDC - Automatic
- AFTN
- Phone
- HF Radio

To support use of  
ATS route network /UPR/DARP



# On-going projects

- ADS/B integration into ATM system
- Enhancement of ADS/B coverage  
*Exclusively based on user needs*
- RNP10 to RNP4
- Connection to CRV
- Complete ATM system overhaul



# Capabilities - Flight information service

# Information services

- Dedicated & specialized Met provider
  - SIGMET
  - PIREP - Pilot Report
  - METAR & TAF
- Aeronautical information services with information on space debris reentry

192145 NTAAYNYX  
(A0324/19 NOTAMN  
Q) NTTT/QRPCA/IV/BO/W/000/999/2759S14434W280  
A) NTTT  
B) 1907242315 C) 1907252337  
D) JUL 24 2315-2359  
JUL 25 2252-2337

**E) AIRSPACE DEBRIS RE-ENTRY WITHIN AN AREA BOUNDED BY FOLLOWING POINTS:**

4051S16316W-3946S16254W-3904S16226W-3729S16044W-3156S15208W-  
2939S14746W-2855S14540W-2841S14423W-2851S14339W-2944S14329W-  
3042S14345W-3316S14541W-3712S15031W-3858S15349W-4057S15833W-  
4114S16119W

TO POINT OF ORIGIN.

THIS AREA IS PROHIBITED DURING ACTIVITY.

F) SFC G) UNL)



# Capabilities - Alerting service

# Alert services & SAR



- Common training JRCC / ANSP
- Technical & staff support
- 2 exercises/year
- Long history JRCC / ANSP collaboration
- Large experience in international coordination for SAR

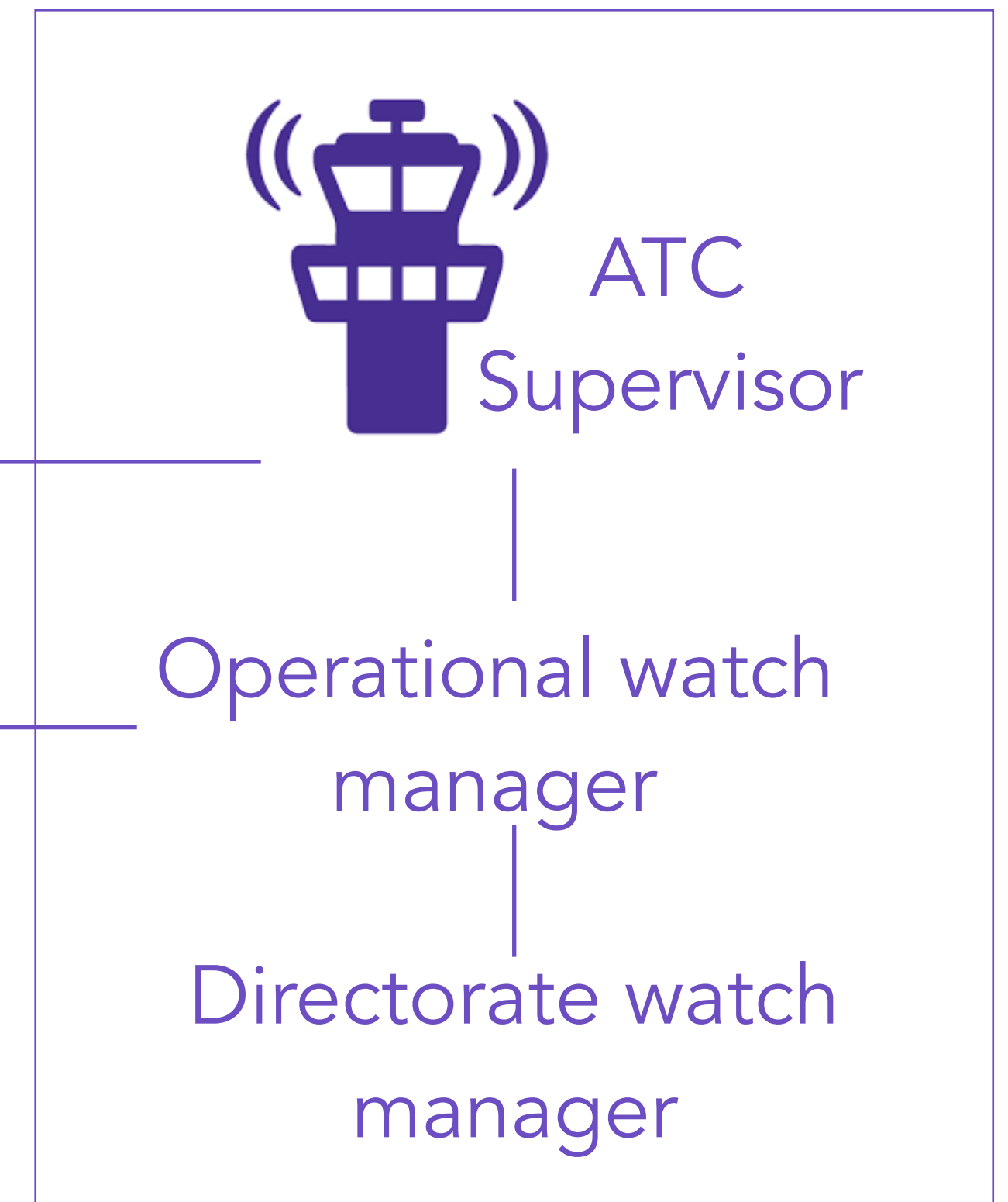
<http://www.jrcc.pf>



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Chain of  
Command  
*Trained,  
trialled and  
experienced*



Authorities



# Conclusion

- Organisation
- Technical solutions are ready now to
- Staff

Assist in the provision of **safe** and **efficient** services to the customers in the unassigned high seas airspace



# Thanks - Any Questions?