



# **ICAO EAST CARIBBEAN PBN ROUTES**

**ICAO/IATA/CANSO PERFORMANCE-BASED NAVIGATION (PBN)  
HARMONIZATION, MODERNIZATION AND IMPLEMENTATION MEETING FOR  
THE CARIBBEAN (CAR) REGION**

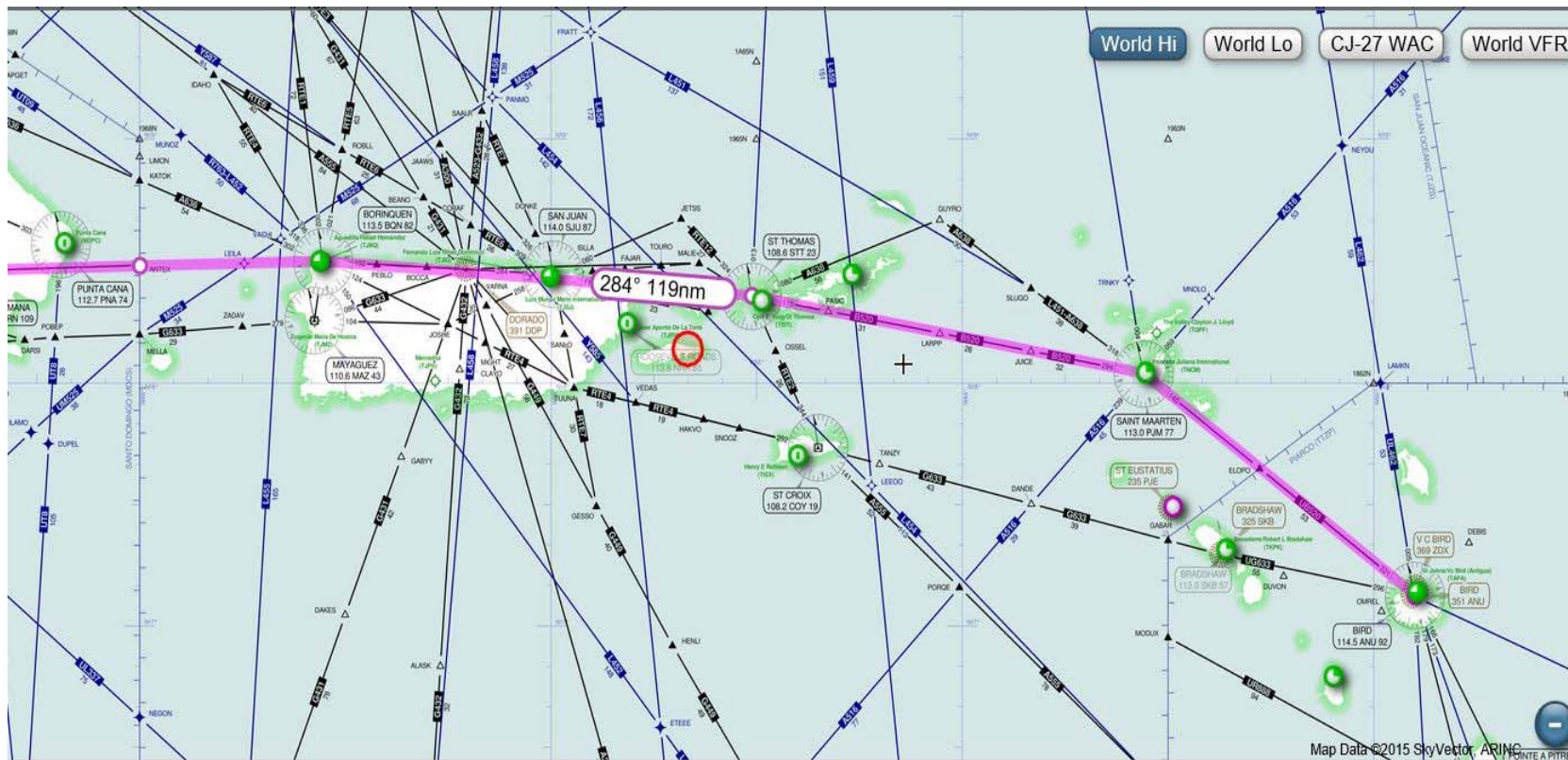
\* This is the summary report of the Central Caribbean Ad-Hoc Group integrated from East to West by the representative managers of the following FIR's:

- \* • **San Juan**
- \* • **Santo Domingo**
- \* • **Curacao**
- \* • **Port-au-Prince &**
- \* • **Kingston**

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- \* Based on the purpose of the meeting, we all convened to make the following proposal for consideration:

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- \* **AIRWAY ANALYZED B520/UB520 and G633/UG633/UG633S**
  - \* Eliminate the routes B520/UB520 and G633/UG633/UG633S, to replace their needs, we all agreed to propose de creation of new ones based on the PBN concept, aligned in parallel connecting the San Juan, Santo Domingo, Port au Prince and Kingston FIRs.

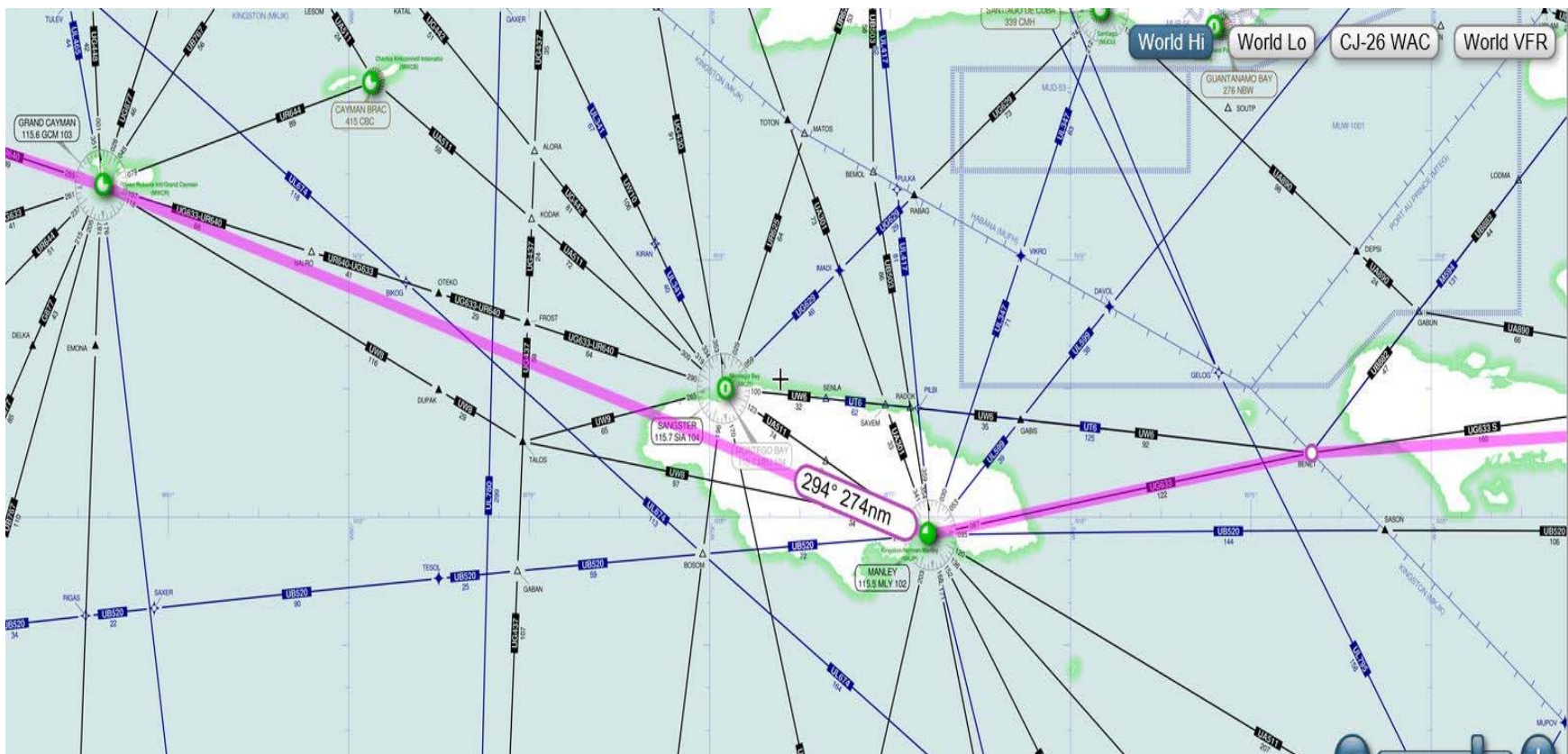
# G633/UG633/UG633S



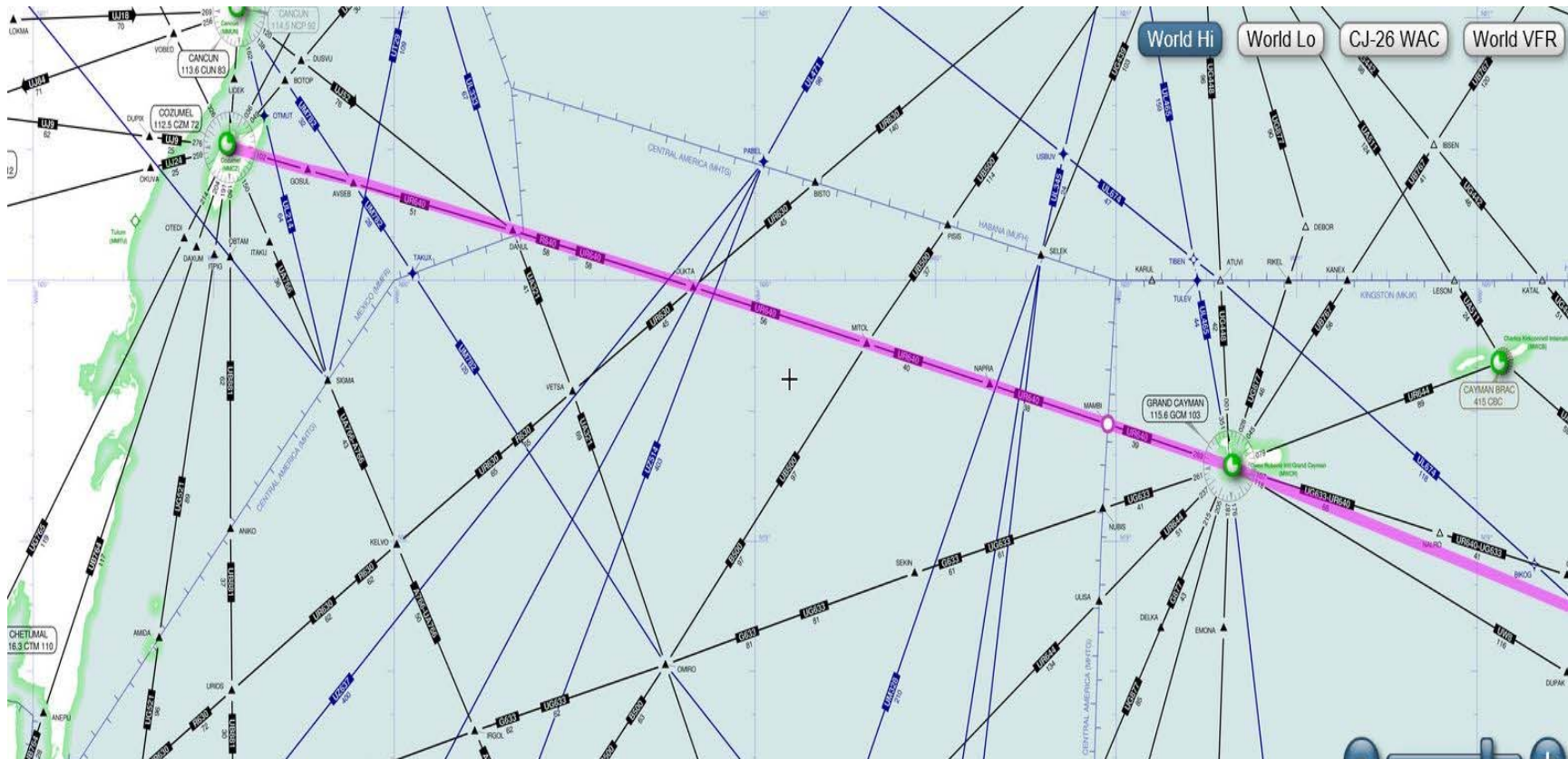
# G633/UG633/UG633S



# G633/UG633/UG633S



# G633/UG633/UG633S



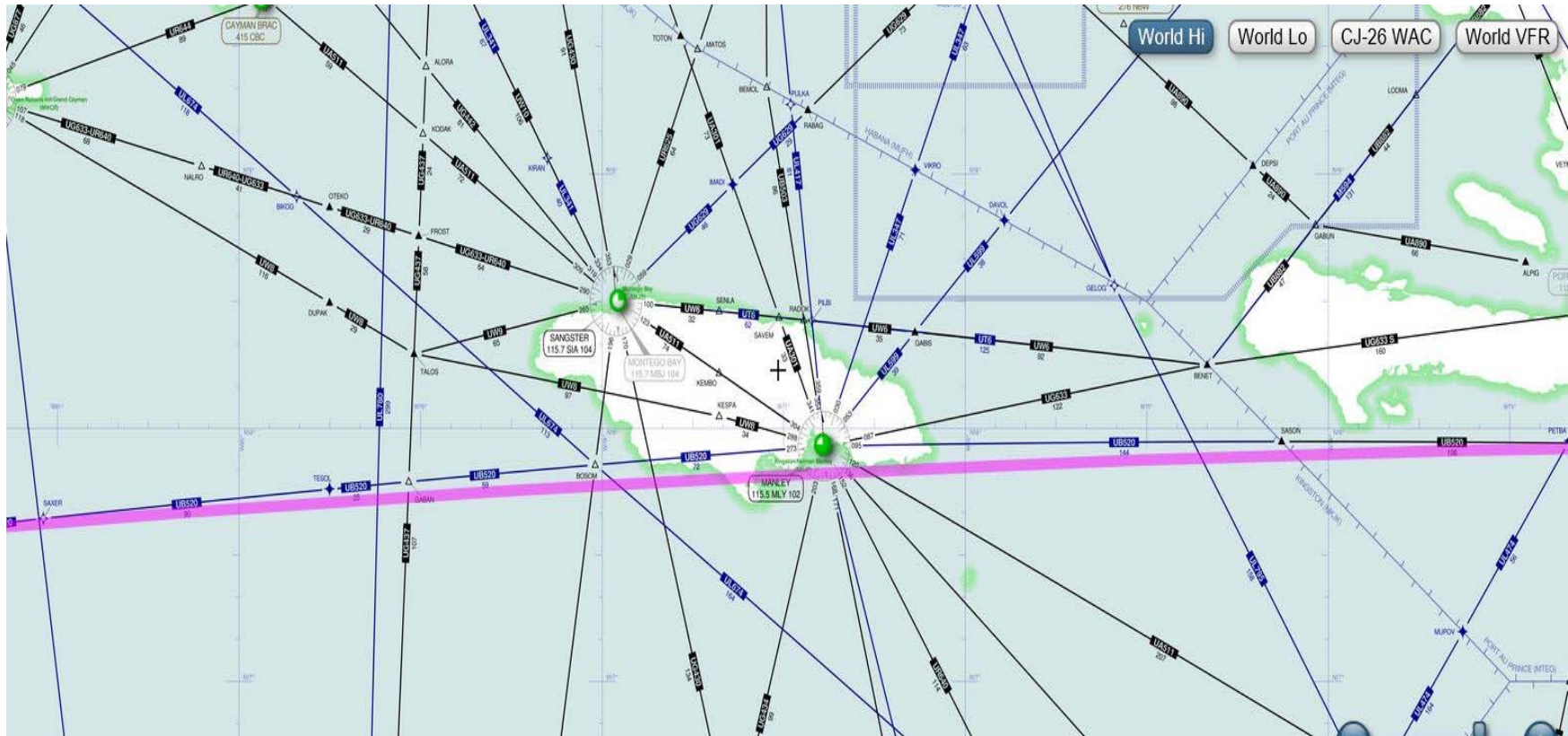




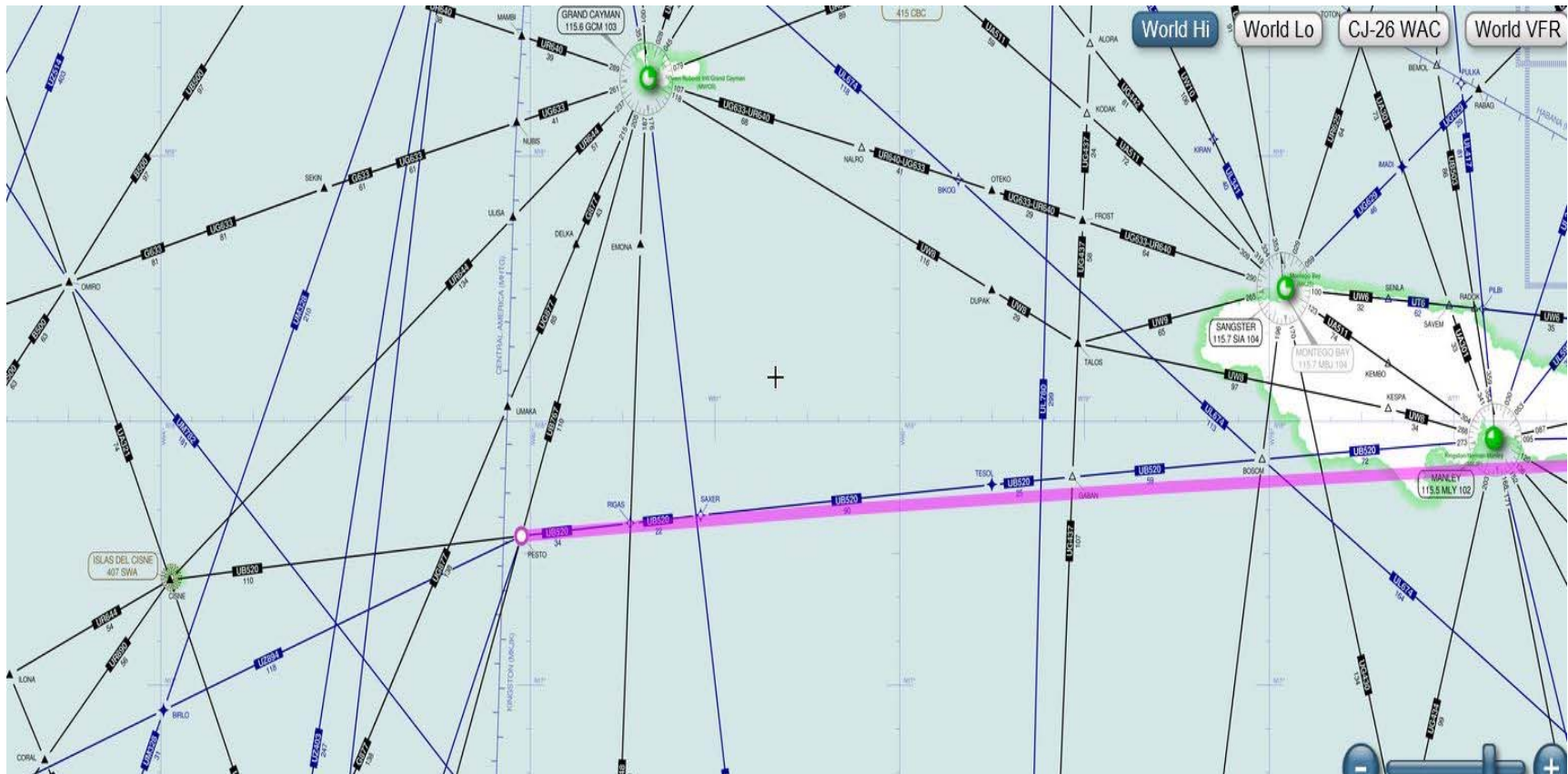
# B520/UB520




# B520/UB520



# B520/UB520



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- \* *Note: our proposal is about the track of the airway G633/UG633 from Antigua to GCM, it means that the harmonization for the track from GCM to VSA “Vellahermosa” should be accomplished with CENAMER and Mexico, same thing with the airway B520/UB520 in the track from the fix PESTO to Isla Cisne.*

# UL304

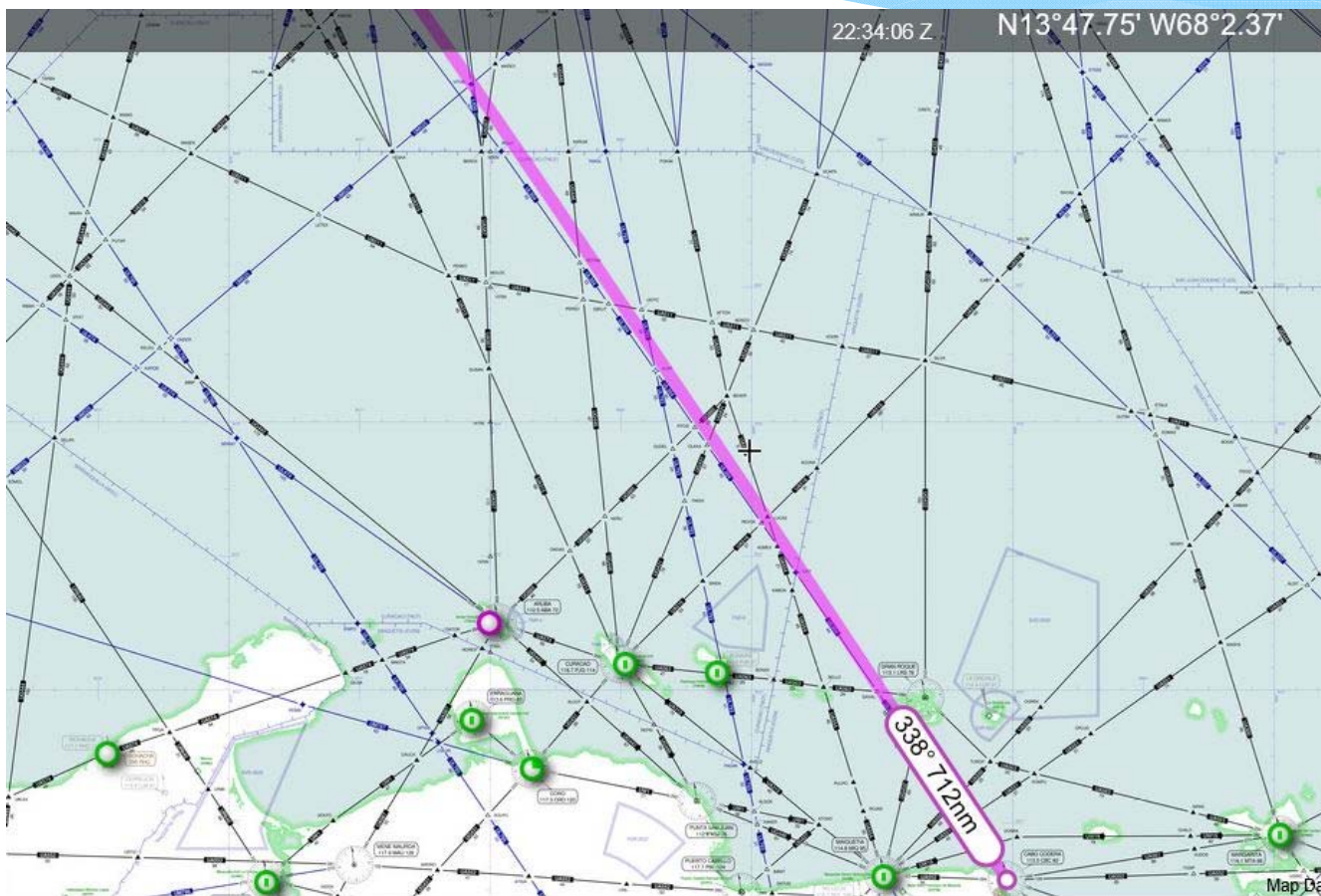
- \* There was an initial proposal submitted by Curacao, suggesting a new route from MIQ to JOSES but during analysis we conclude that this proposal was in conflict with others airways like UL304 and UA315 reducing the airspace capacity, especially approaching the fix JOSES where all of them converged.



\* A counter proposal was suggested by Santo Domingo that consists in the following:

- Realign the UL304 from MIQ to the fix BODLO in the Port-au-Prince boundary with Miami. (This route could be extended into Miami FIR to continue in parallel with the airway UA315).
- Create a new PBN route from the fix VESKA to MIQ.

# MIQ-UL304-BODLO






# MIQ-UL304-BODLO




# VESKA X### MIQ

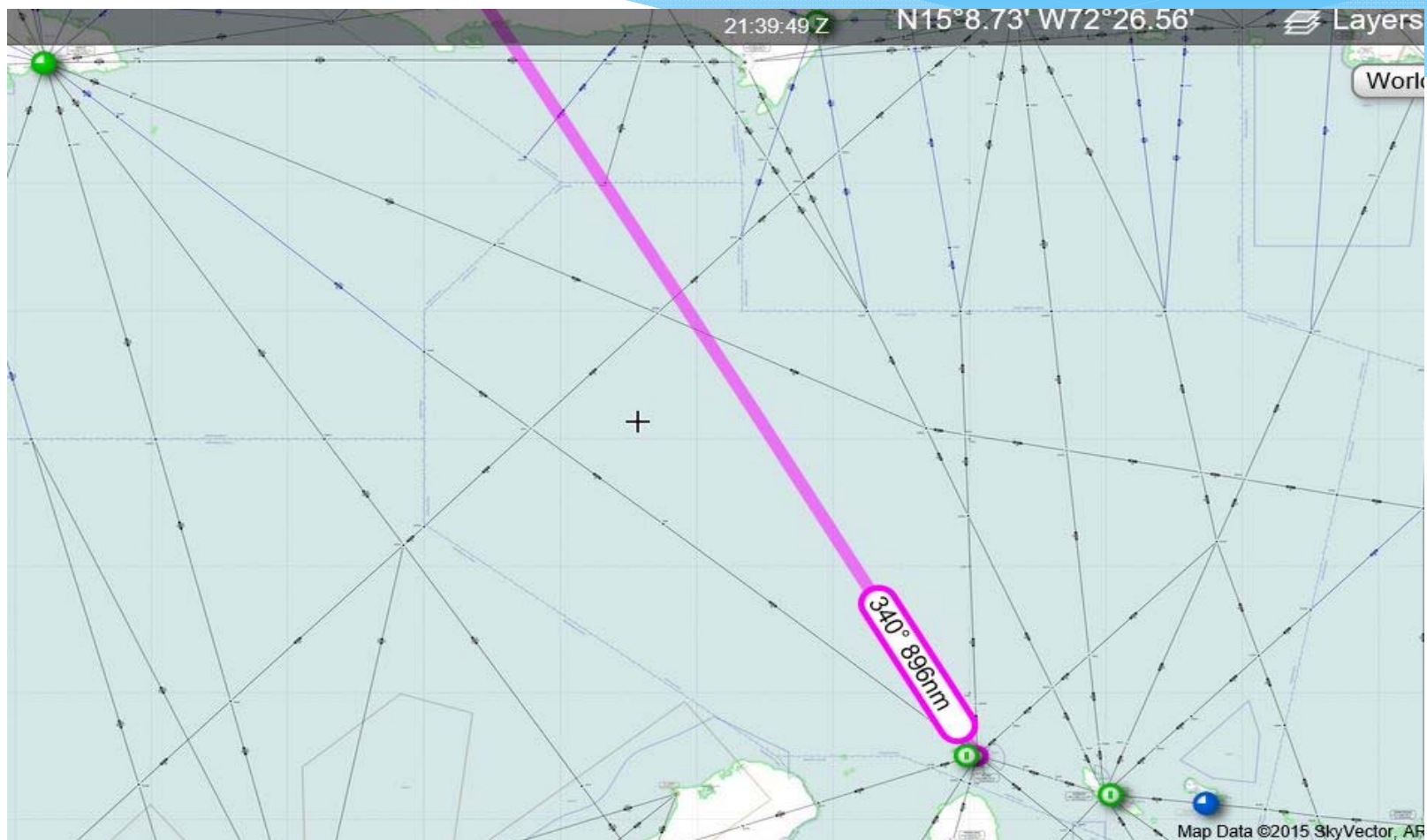


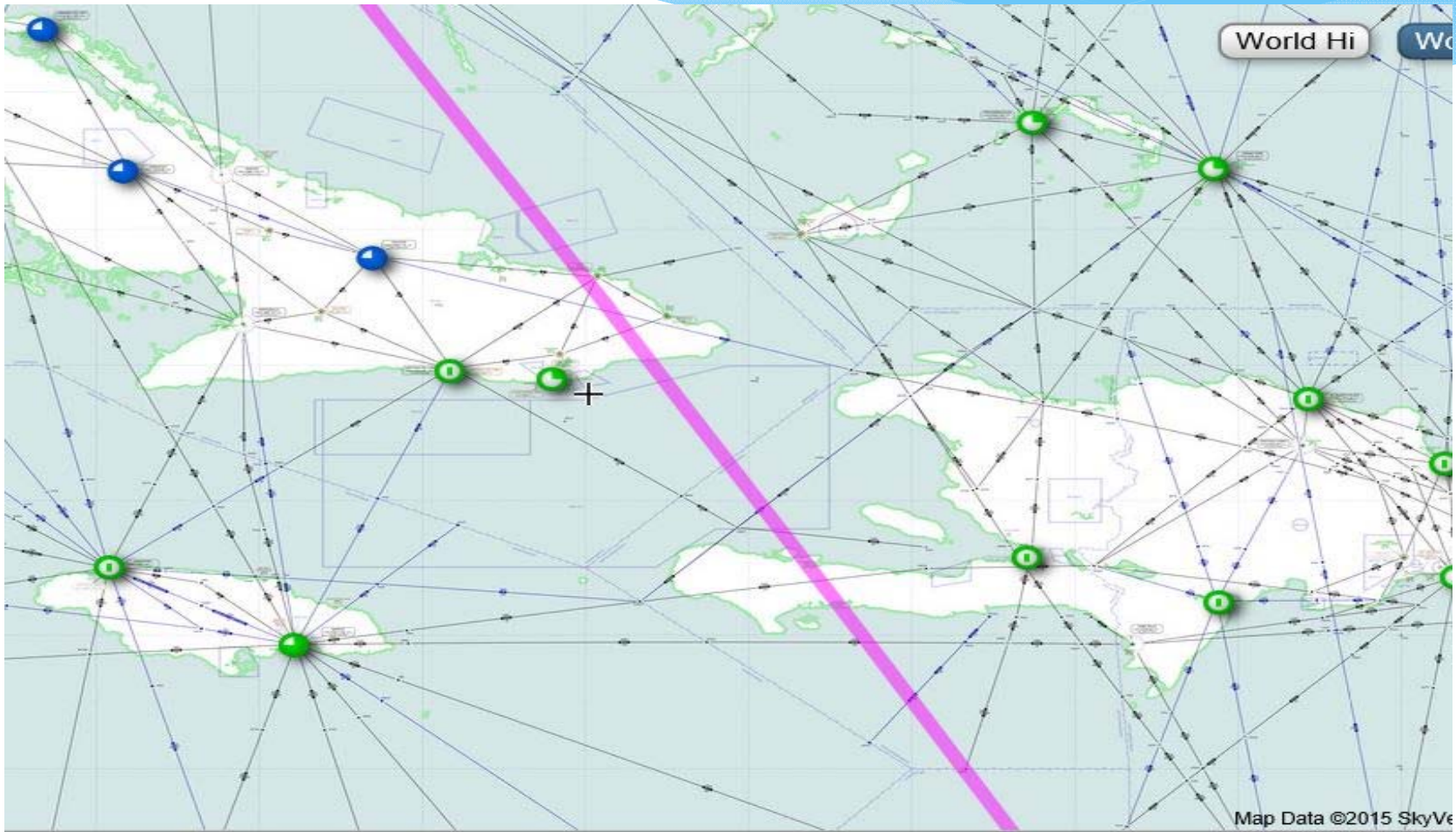
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- \* Port –au-Prince in planning to establish a new PBN route from the fix JOSES (north-boundary) to the fix LENOM (south-boundary).

# JOSES-LENOM



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- \* Curacao and Port-au-Prince agreed to proposed a new PBN route from ABA to RAJAY in Miami FIR, This proposal is awaiting approval from Cuba and Miami.







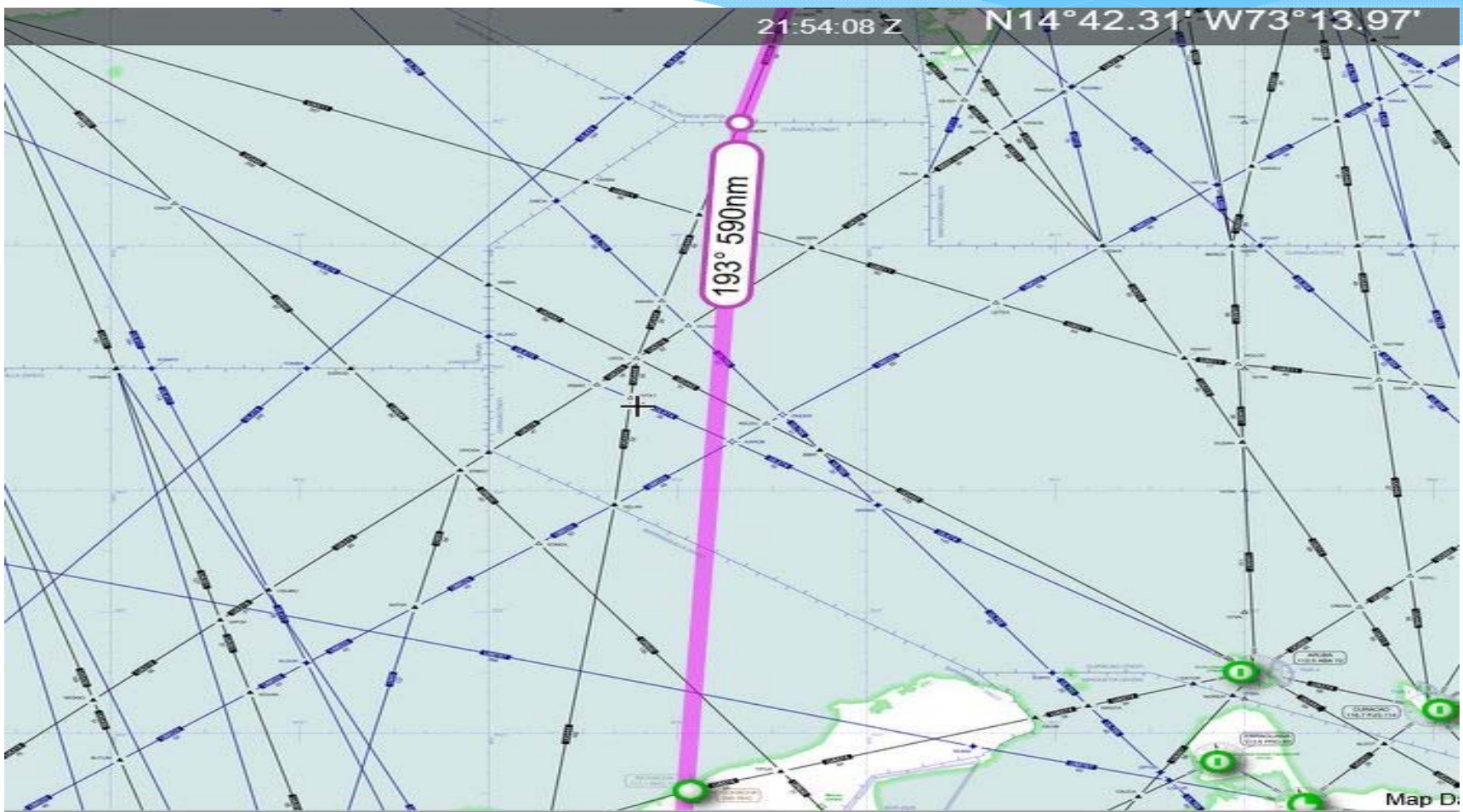


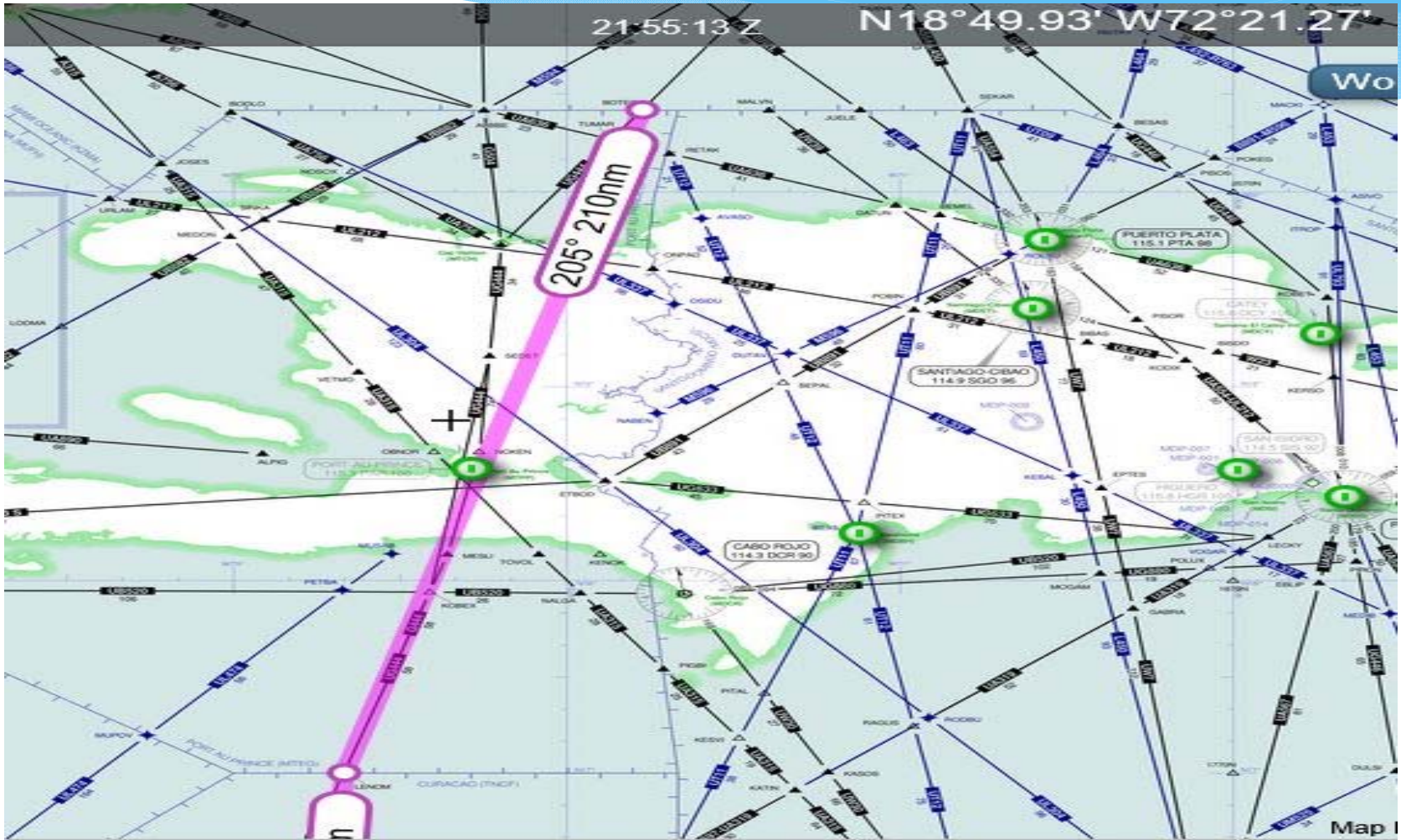
# LOKOV or BGA-BOTES

- \* A new PBN route submitted by Curacao and supported by Port au prince, starting within Barranquilla FIR, from the fix LOKOV to the fix BOTES
- \* *(check the starting south fix with Curazao and Port-au-Prince, the proposals are different).*

# LOKOV or BGA-BOTES





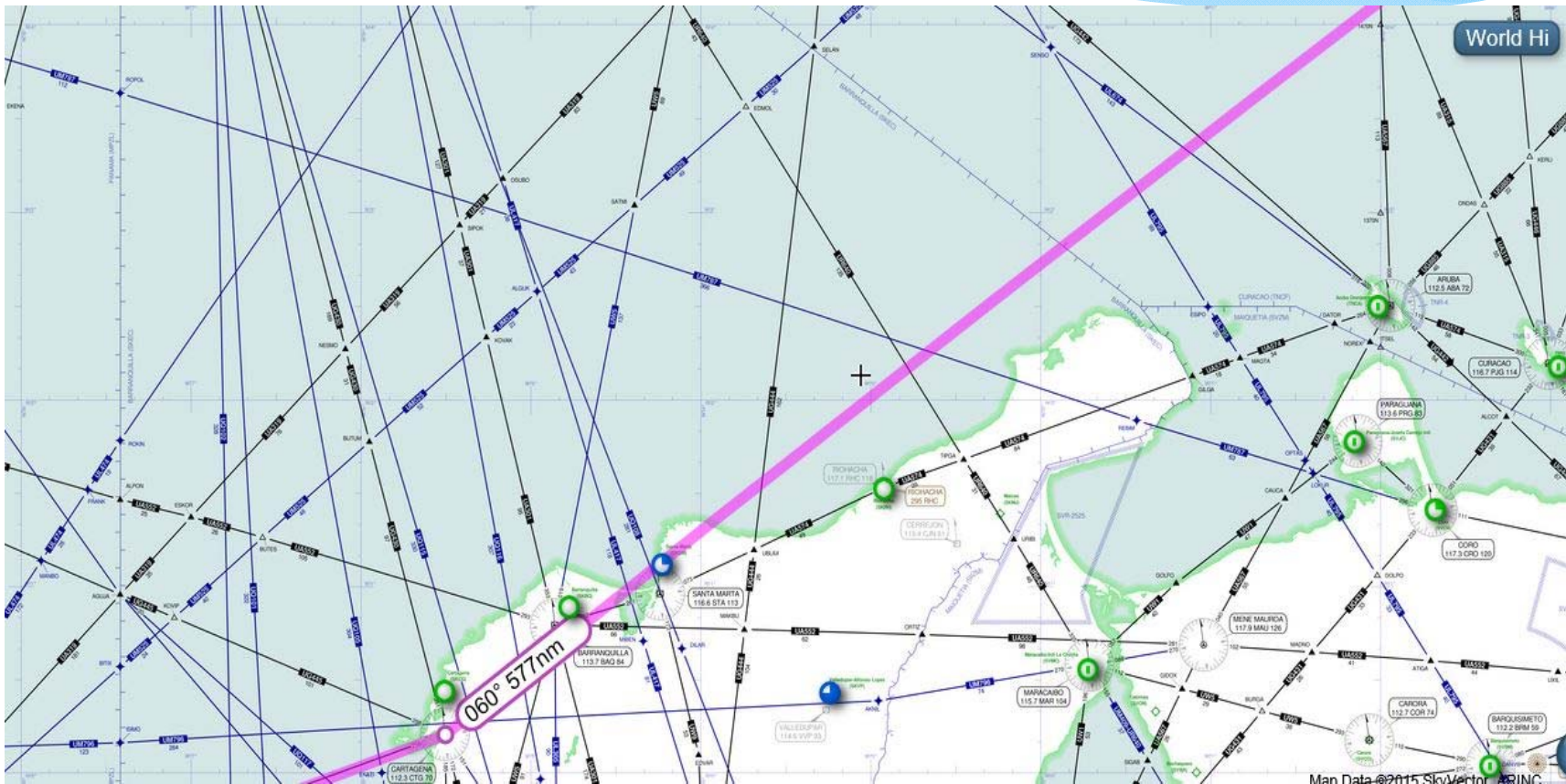


# TBG-YIYYO

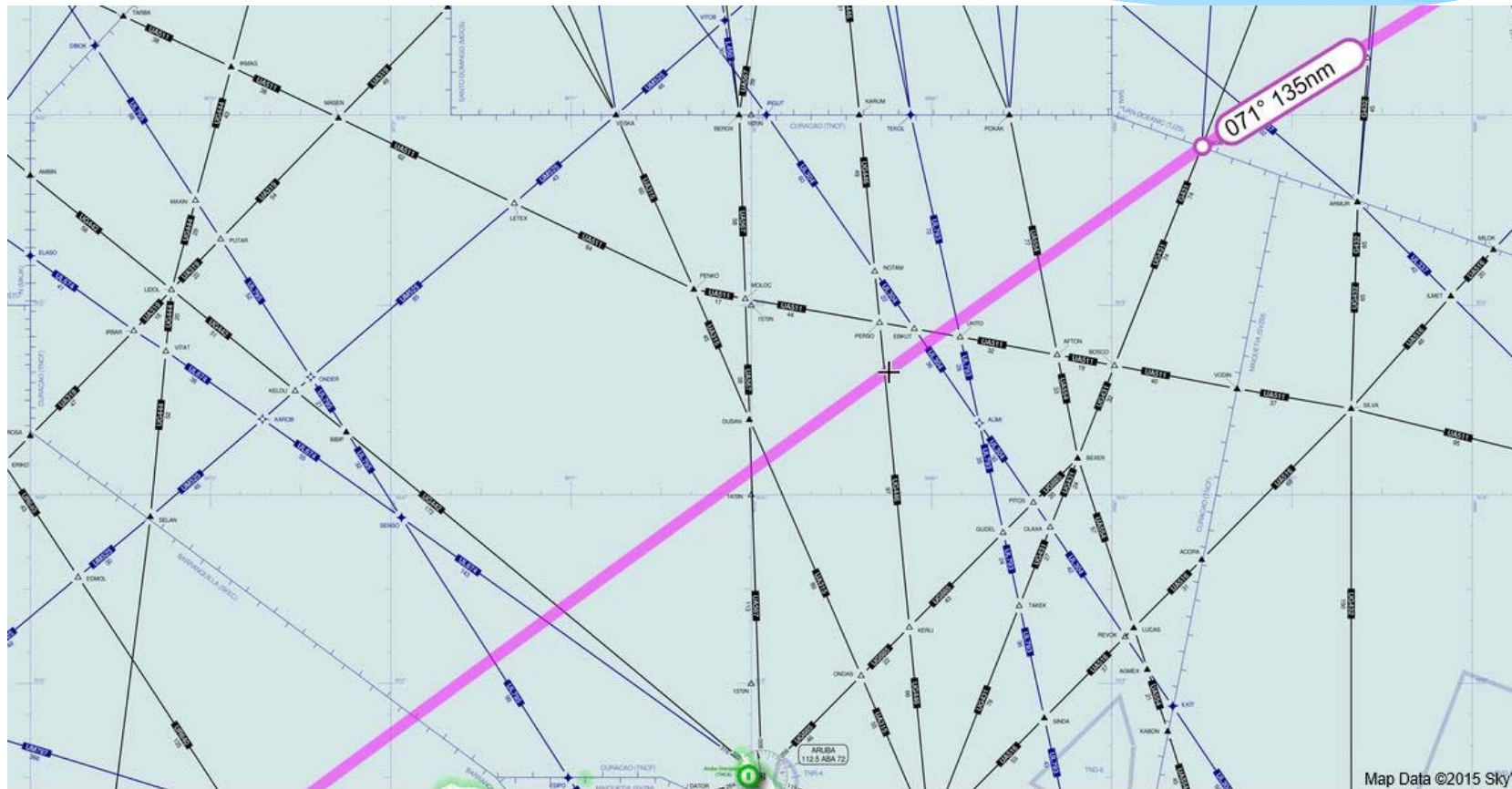
- \* Curacao proposed a new route from TBG to 1700N06530W then to diverging legs, one leg to the fix YIYYO and another to the fix NEDYU.



# TBG-YIYYO

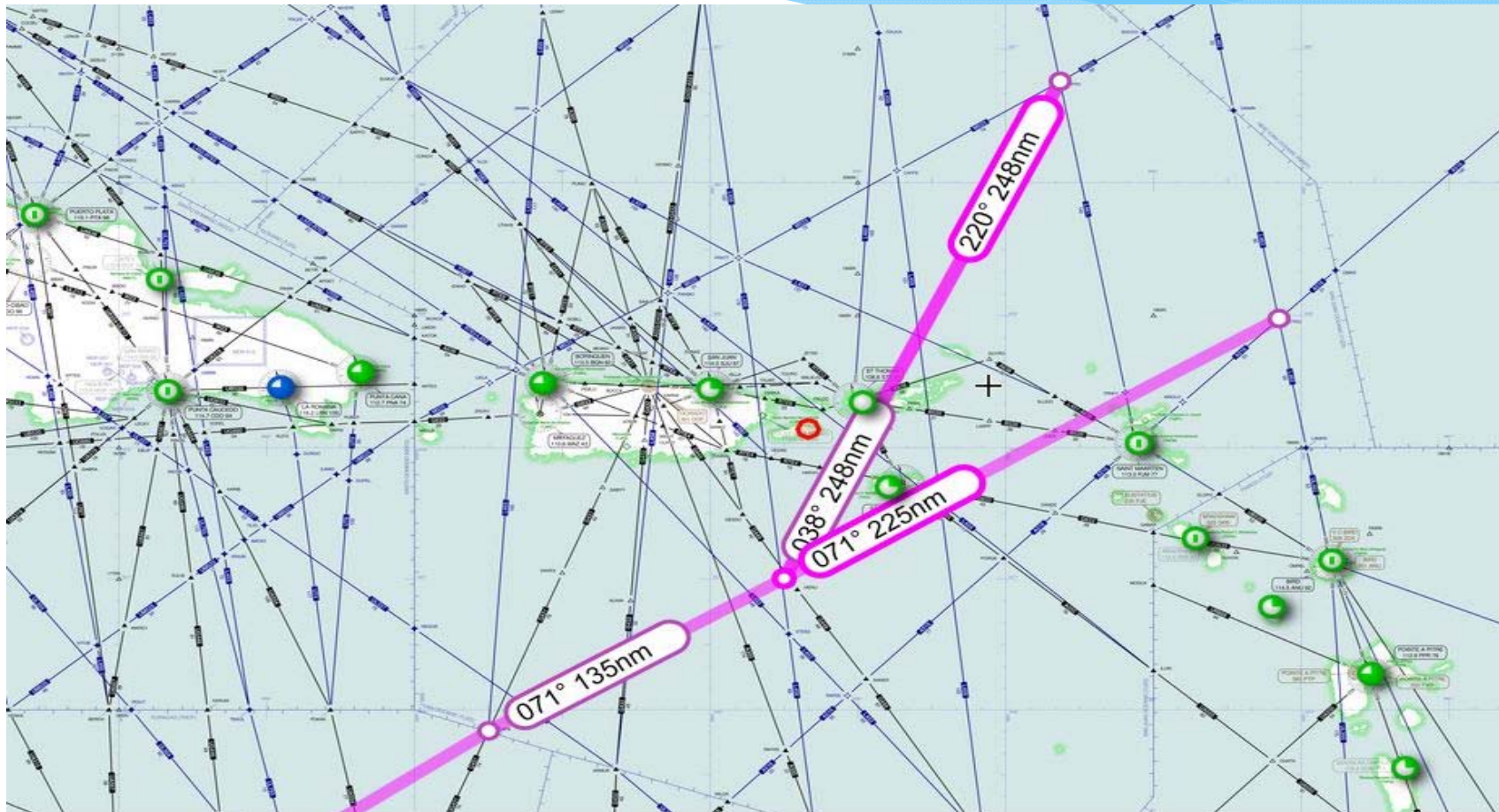


# TBG-YIYYO





# TBG-YIYYO



# TEKOL-GNA-TIRIOS

- \* A new route proposed by Curacao from TEKOL to GNA to TIR (TIRIOS NDB) en Amazonia, Brazil, involving Amazonica, Paramaribo, George Town, y Maiquetia FIRs.

# TEKOL-GNA



# GNA-TIR



# VESKA-JOSHE

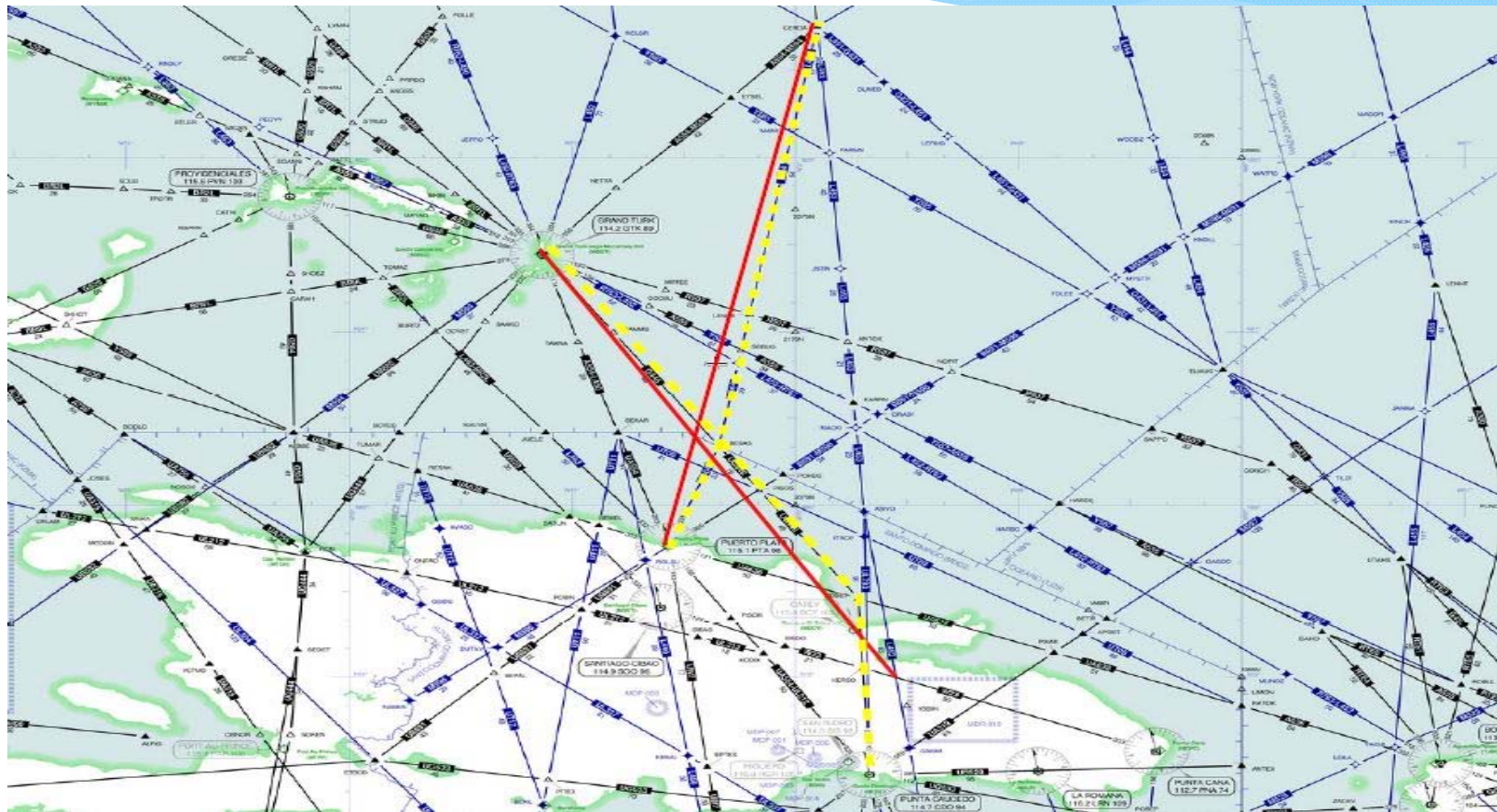
- \* A new PBN route was proposed by Santo Domingo and supported by San Juan, from VESKA to JOSHE.



# G/UG446 & L/UL464

- \* Santo Domingo submitted the realign of the route G446/UG446 from GTK to DCY then to CDO and the route L464/UL-464 from PTA to CERDA, Miami is analyzing this to answer.

# G446/UG446-UL464

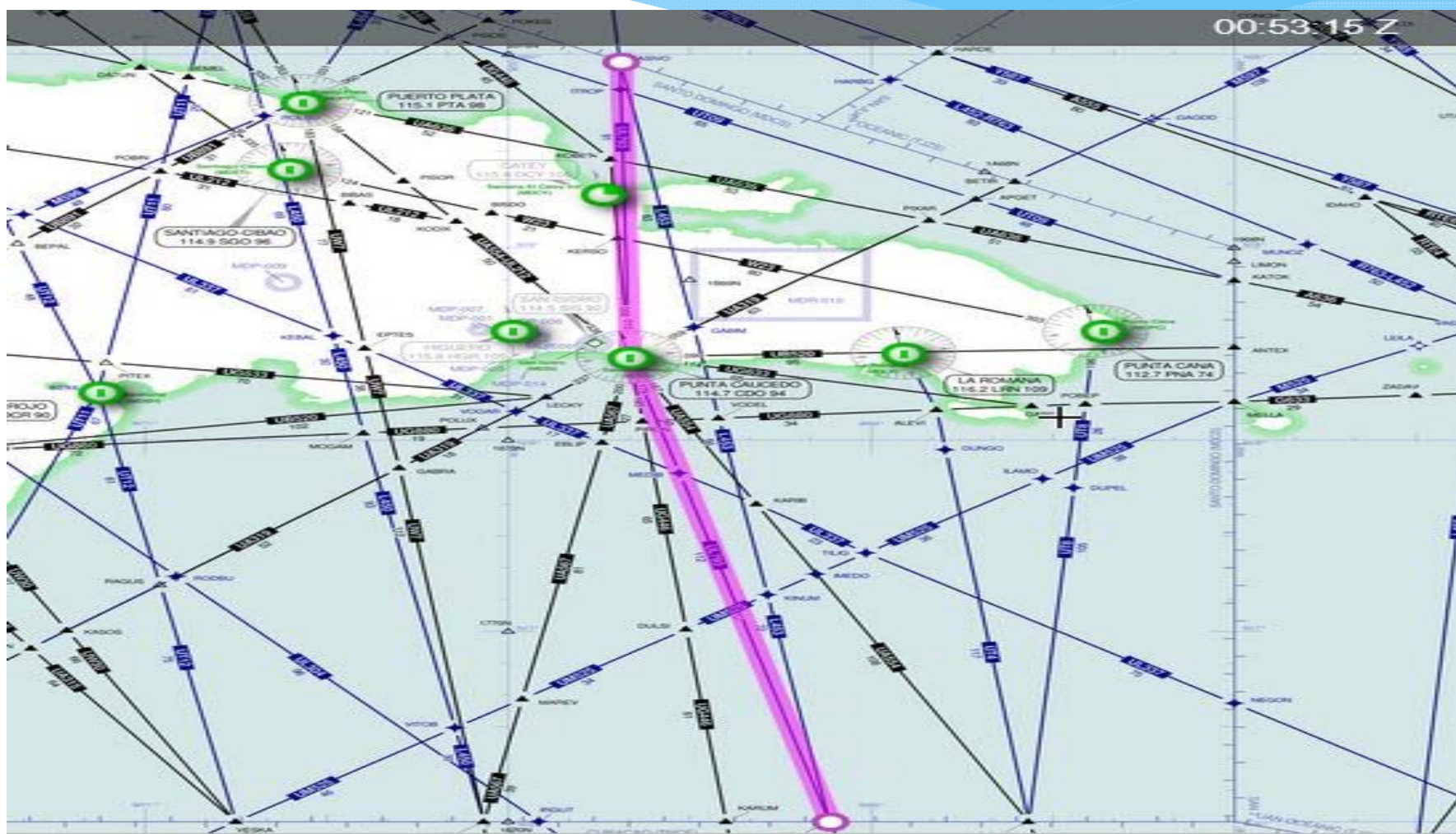




# UL793

- \* Santo Domingo is proposing to remove the track of the route UL793 inside the Santo Domingo FIR from ASIVO to TEKOL, there is another RNAV route fulfilling this track (UL-453).

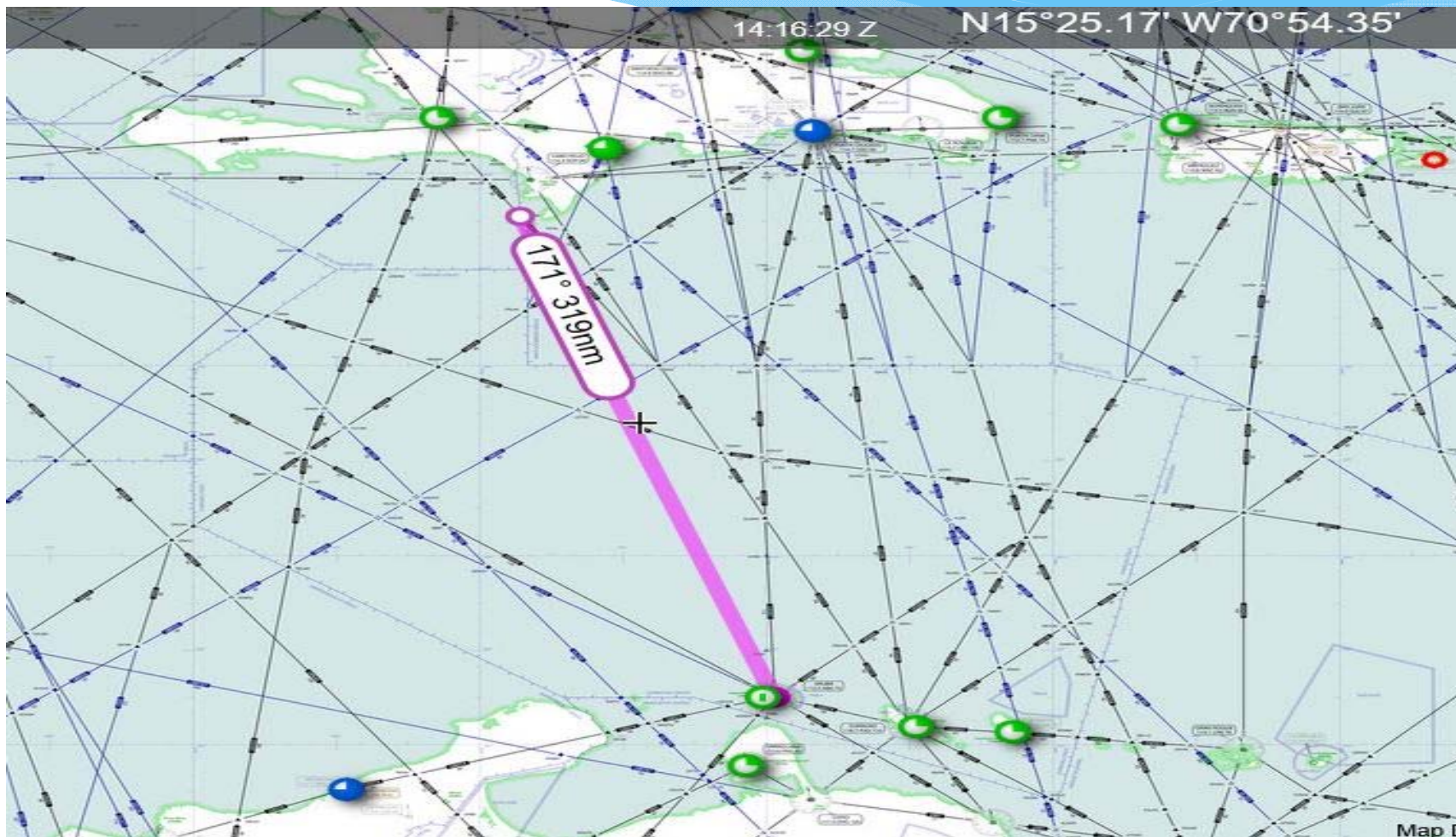
# UL793/UL453




# PIGBI ABA

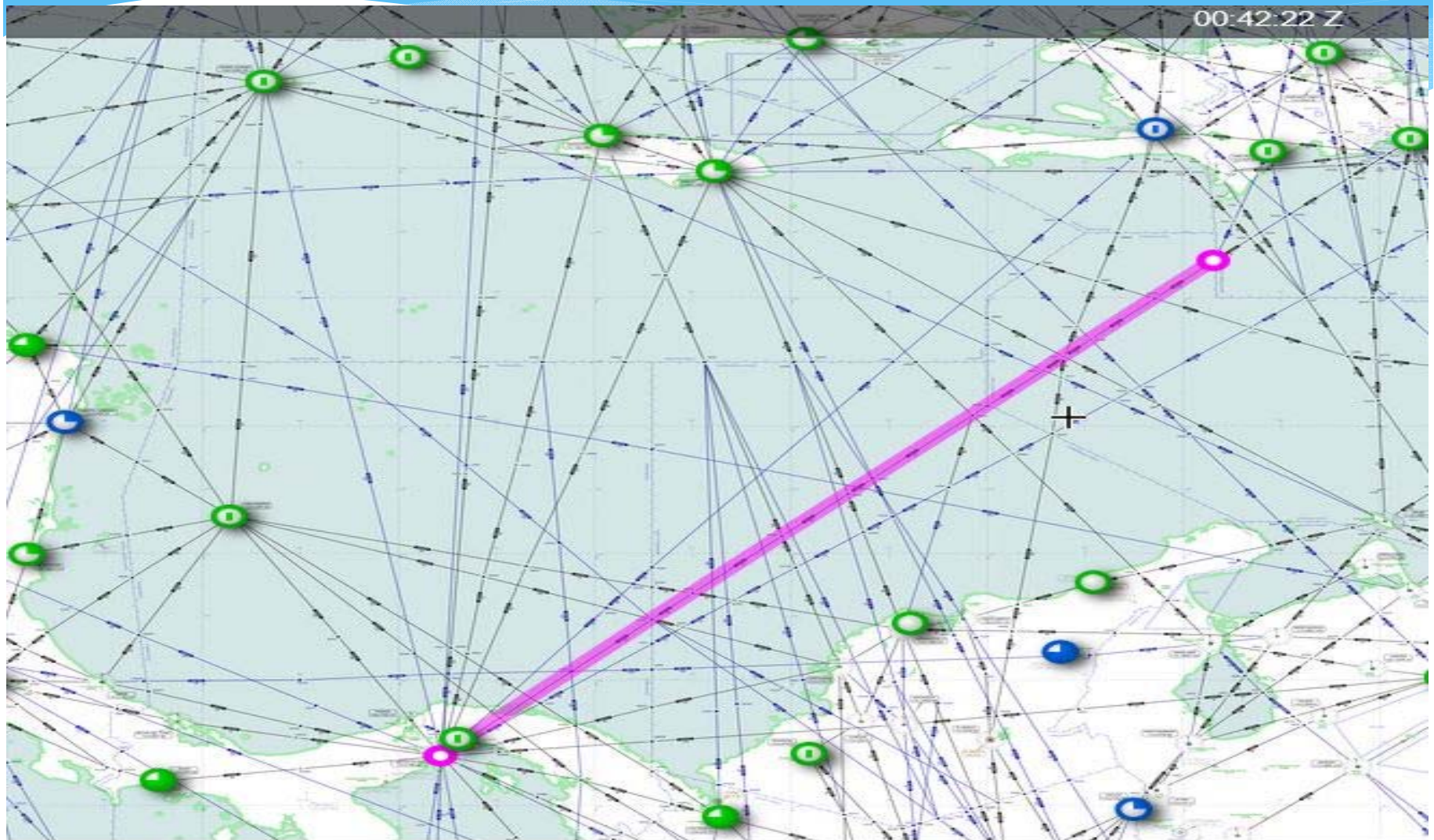
- \* Another option is being proposed by Santo Domingo to create a new route from PIGBI to ABA.


# PIGBI ABA



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- \* Other submitted by Santo Domingo is to extend the RNAV route UM-597 from PALAS to TBG overlapping or eliminating the conventional route UA319.

# UA319



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- \* Santo Domingo is proposing to create a new PBN route overlapping the track of the UA315/A315 from the fix VESKA to JOSES, this new PBN route could continue both sides if it is considered by the adjacent FIR's. (Miami & Curacao).

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- \* Santo Domingo is proponing a new PBN route realigning or overlapping the A554/UA554.



