

IATA/ICAO Harmonization, Modernization and Implimentation

CAR Region Meeting 28th March – 1st April 2016

American Airlines Proposals

- 1) MUFH, ZMA, ZHU - Habana, Cuba , Miami, Houston
 - a. Cuba Crossovers – Page 2
 - b. Cuba to Houston - Page 3
- 2) MUFH, MKJK, SKEC, SVSM – Cuba, Kingston, Barranquilla, Maiqueta UCL to VUMPI – Page 4
- 3) SVSM Maiquetia, Venezuela – Page 5
- 4) TTZP Piarco, Trinidad and Tobago – Page 6
- 5) MMFR Monterey Region (Mexico)
 - a. UJ15E – Page 7
 - b. MYDIA to MMUN – Page 7
 - c. CPE to BZE - Page 8
- 6) TJSJ San Juan – Page 9

MUFH - Habana, Cuba

Cuba Crossovers -

Allow for more efficient northbound routing to KMIA, and assists in east/west landing procedures.

- a) Provide DIRECT routing from ATUVI to URSUS/FLIPR4/MIA – Fig. 1
- b) Provide DIRECT routing from GAXER to TADPO/MTH/CURSO4/MIA – Fig. 2

Fig. 1

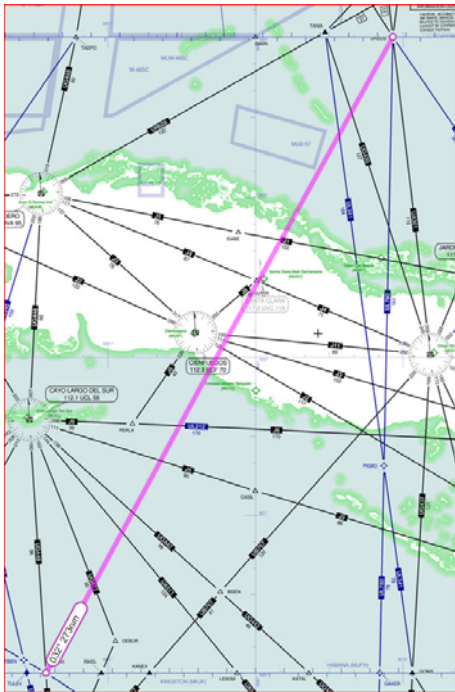
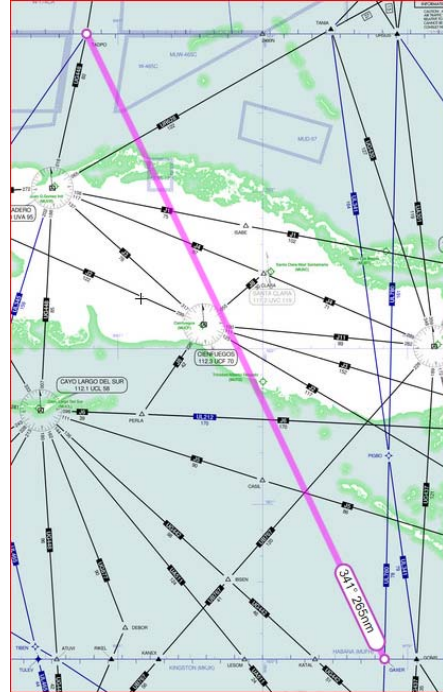


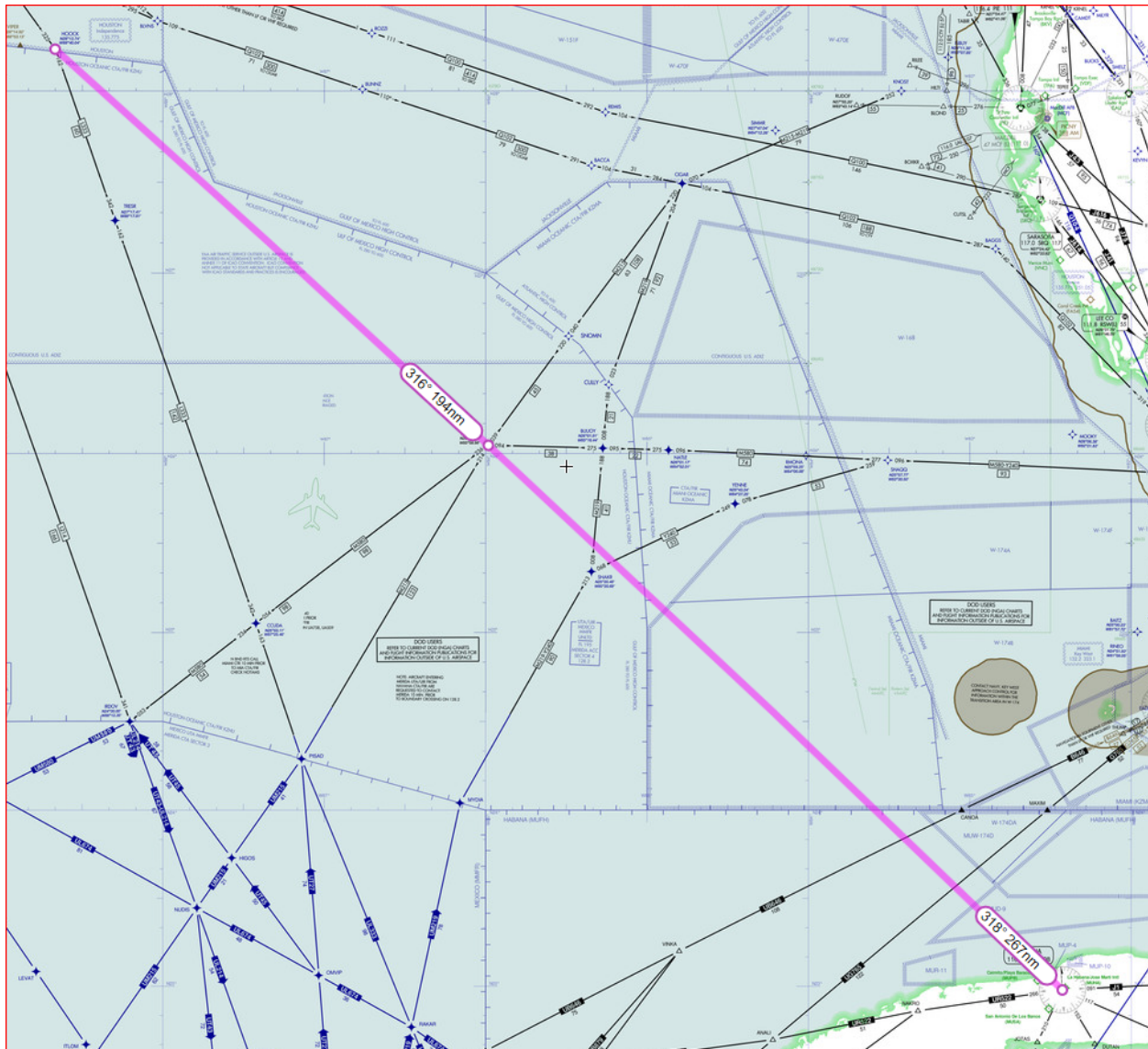
Fig. 2



MUFH - Habana, Cuba

Cuba to Houston

Create bidirectional Airway between HOOK-MINOW-UHA to reduce route by 80NM (when compared to UCL UL212 LITGU UL674 RAKAR UL333 PISAD L633 HOOK)



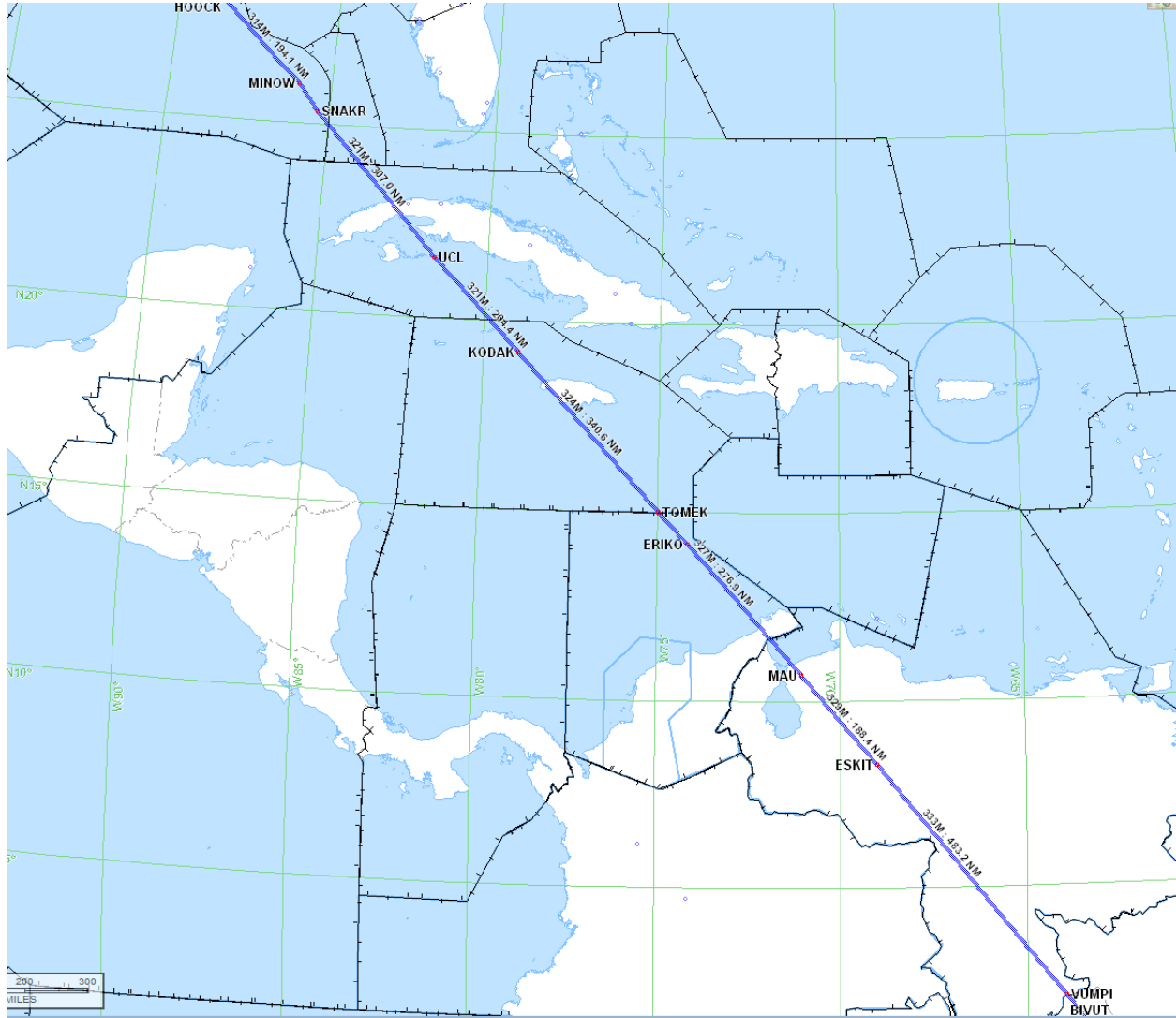
MKJK – Kingston, Jamaica

SKEC – Barranquilla, Colombia

SVSM – Maiquetia, Venezuela

UCL to VUMPI (Connects with Cuba to Houston on page 3)

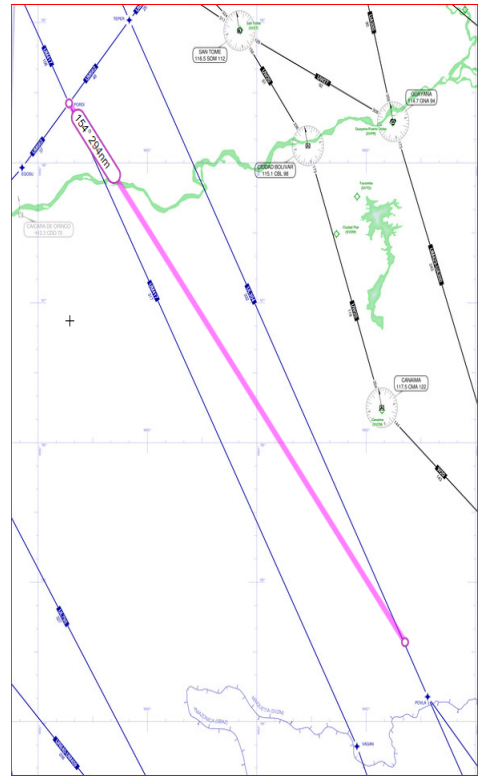
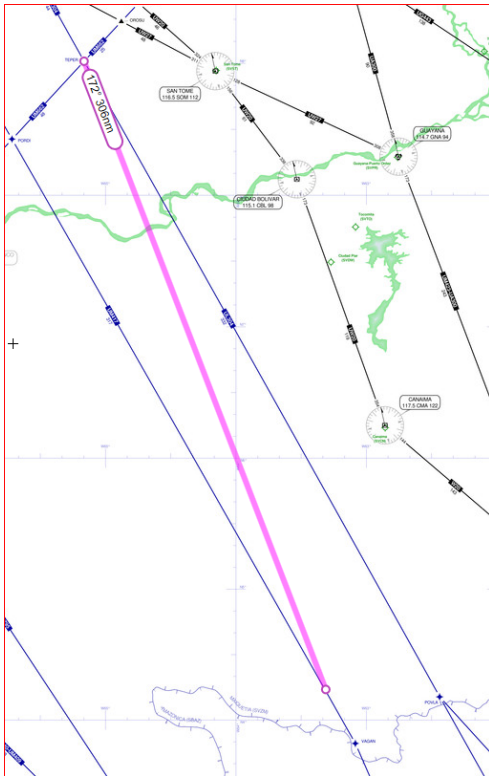
Create new bidirectional Airway – UCL UG442 SIA TOMEK ERIKO MAU ESKIT VUMPI (will provide a direct routing from VUMPI in Brazil to HRV in the USA)



SVSM, Maiquetia, Venezuela

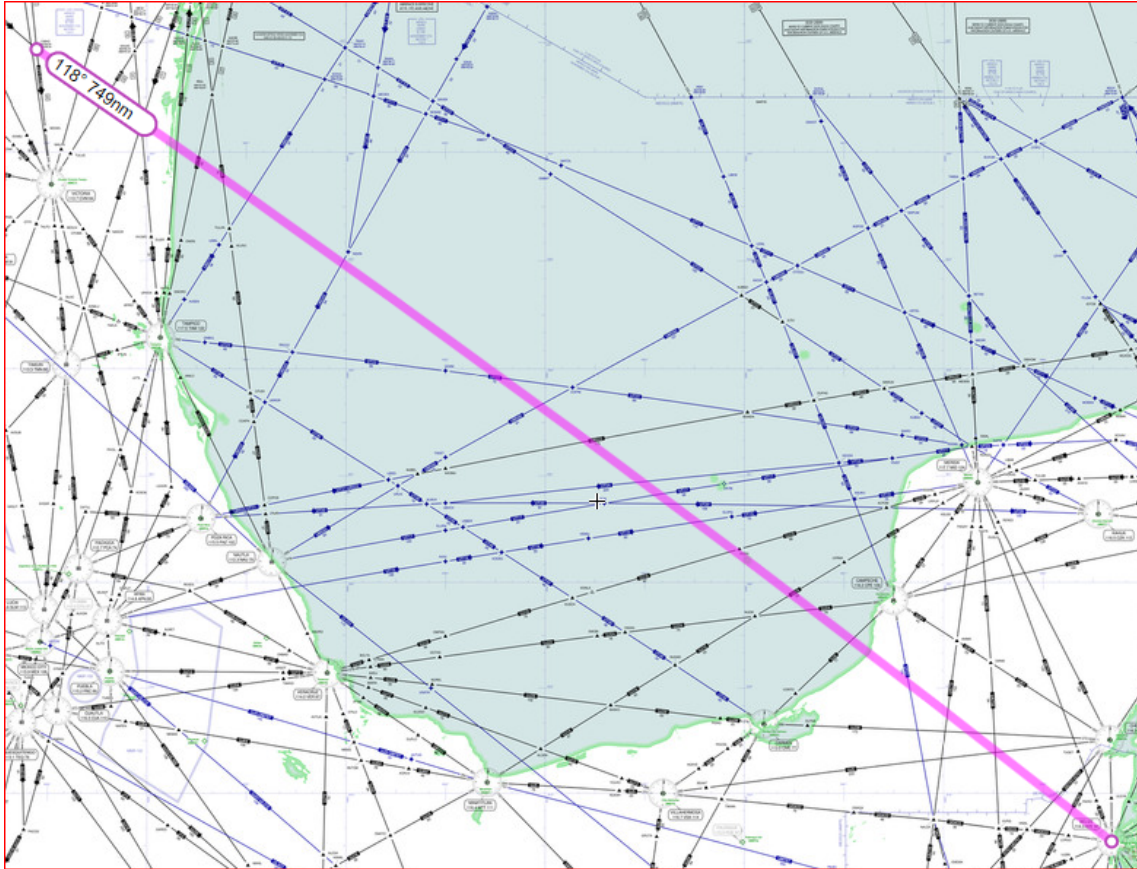
UL304/UL417 Crossover

- Allow crossing between **UL304/UL417** before/after Amazonica FIR Boundary points of POVLA/VAGAN
- Create additional WAYPOINTS on both Airways to allow this



MMFR Monterey Region (Mexico)

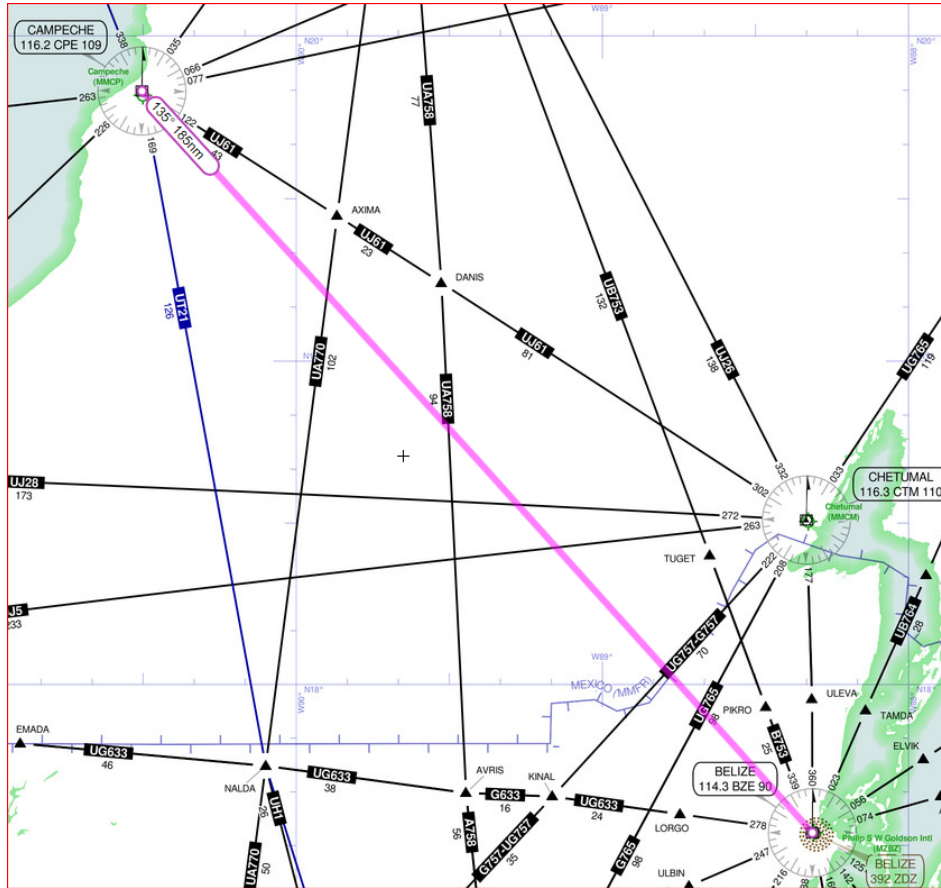
- a) Extend UJ15E from CHINO to BZE in MHTG Central America, will save fuel LAX to Brazil etc.



- b) Provide southbound route from MYDIA to MMUN, but not as far west as PISAD to accommodate LTD Overwater capable aircraft and save 80nm.



- c) CPE UJ61 CTM BZE – Make this an Airway CPE-BZE , saves 30nm, but needs a new FIR Boundary at MHTG



TJZS San Juan

OPAU L461 PJM UB520 ANU – Create new Airway OPAUL – ANU with a new FIR crossing, or use OPAUL ELOPO ANU (This is another example of avoiding VOR's, saves 21nm)

