



Hiroaki Sugimori
Director, Decarbonization,
Corporate Planning
All Nippon Airways Co., Ltd.

2012
1st Use of SAF

Trial Use



2018
1st Commercial Flight

Proactively
Introduce SAF



2019
1st Off-take Agreement & Demo Flight

Small scale
Supply Chain



2020
1st Regular Flight in Asia

Large scale
Supply Chain



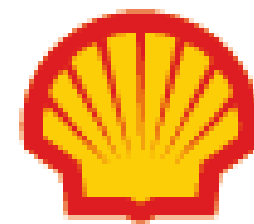
Creating a New Market



SAF Flight Initiative
For the Next Generation

- SAF supply is still limited.
- Airline initiatives can connect the dots.
- We need to scale up SAF and increase the availability.

Case 1 SFO



Case 2 PAE



Case 3 HND/NRT



SAF Production

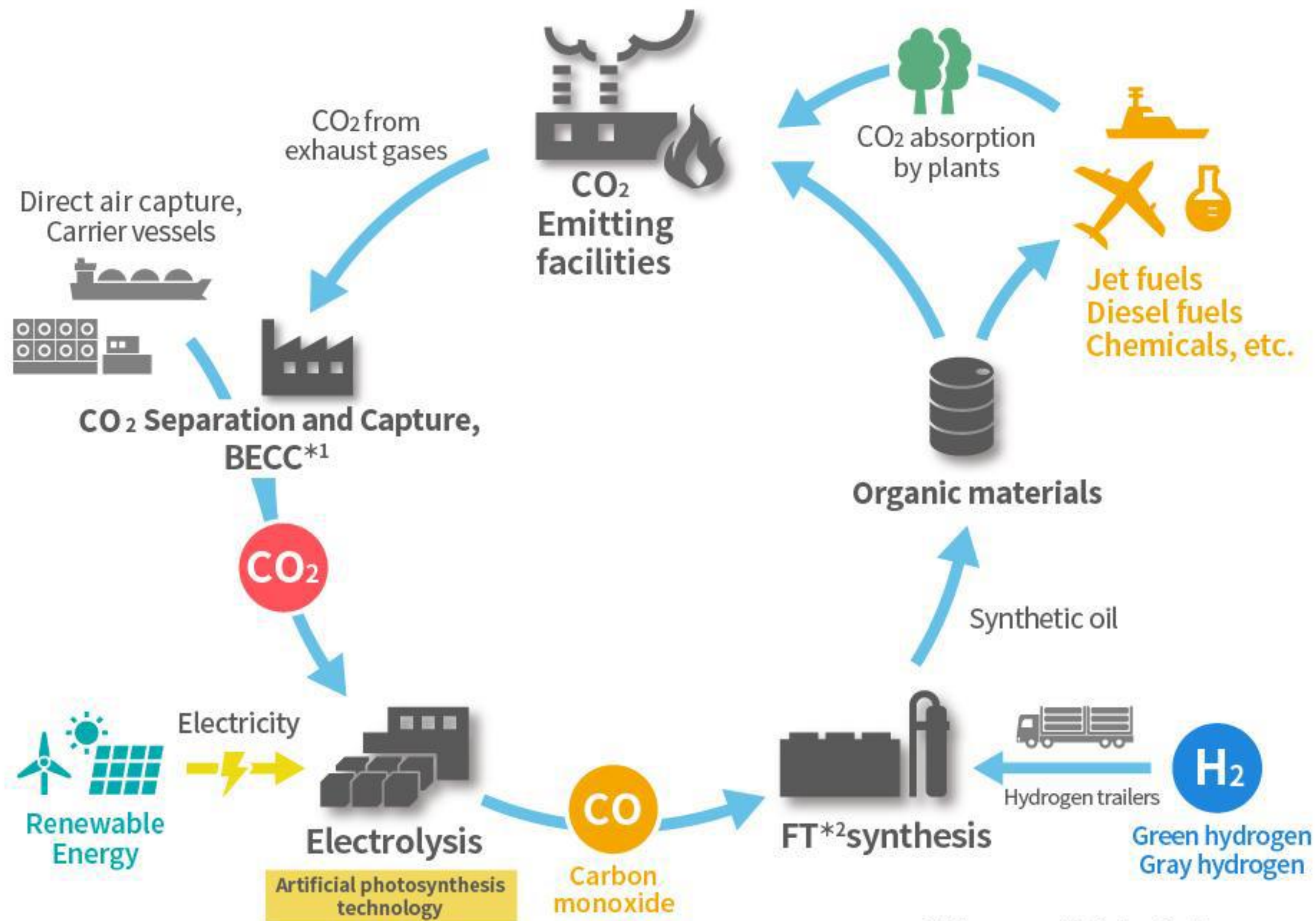
Blending

Transport to airport

Supply into
fuel farm

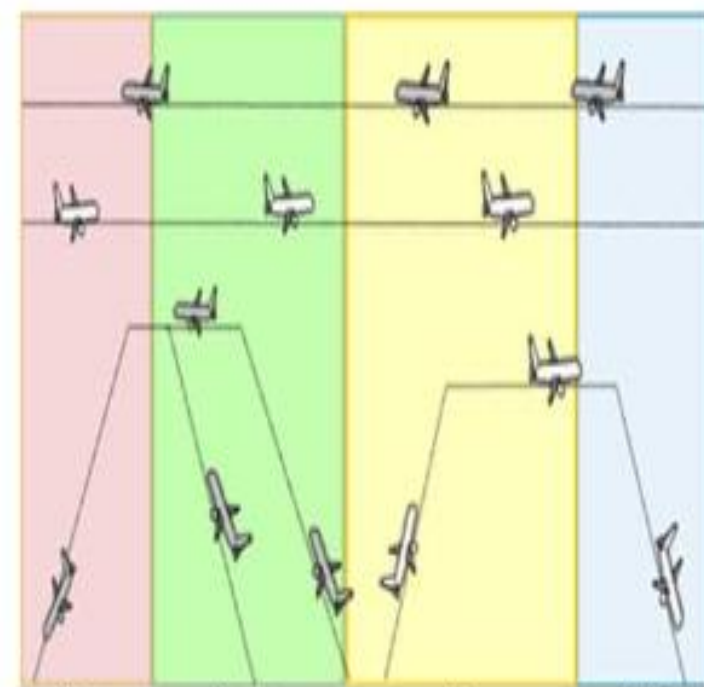
Fueling flights



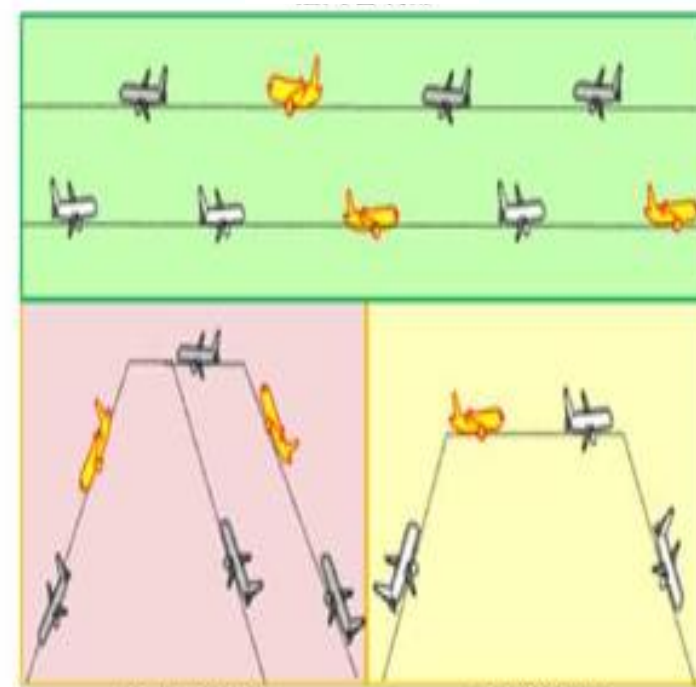


*¹Bioenergy with Carbon Capture

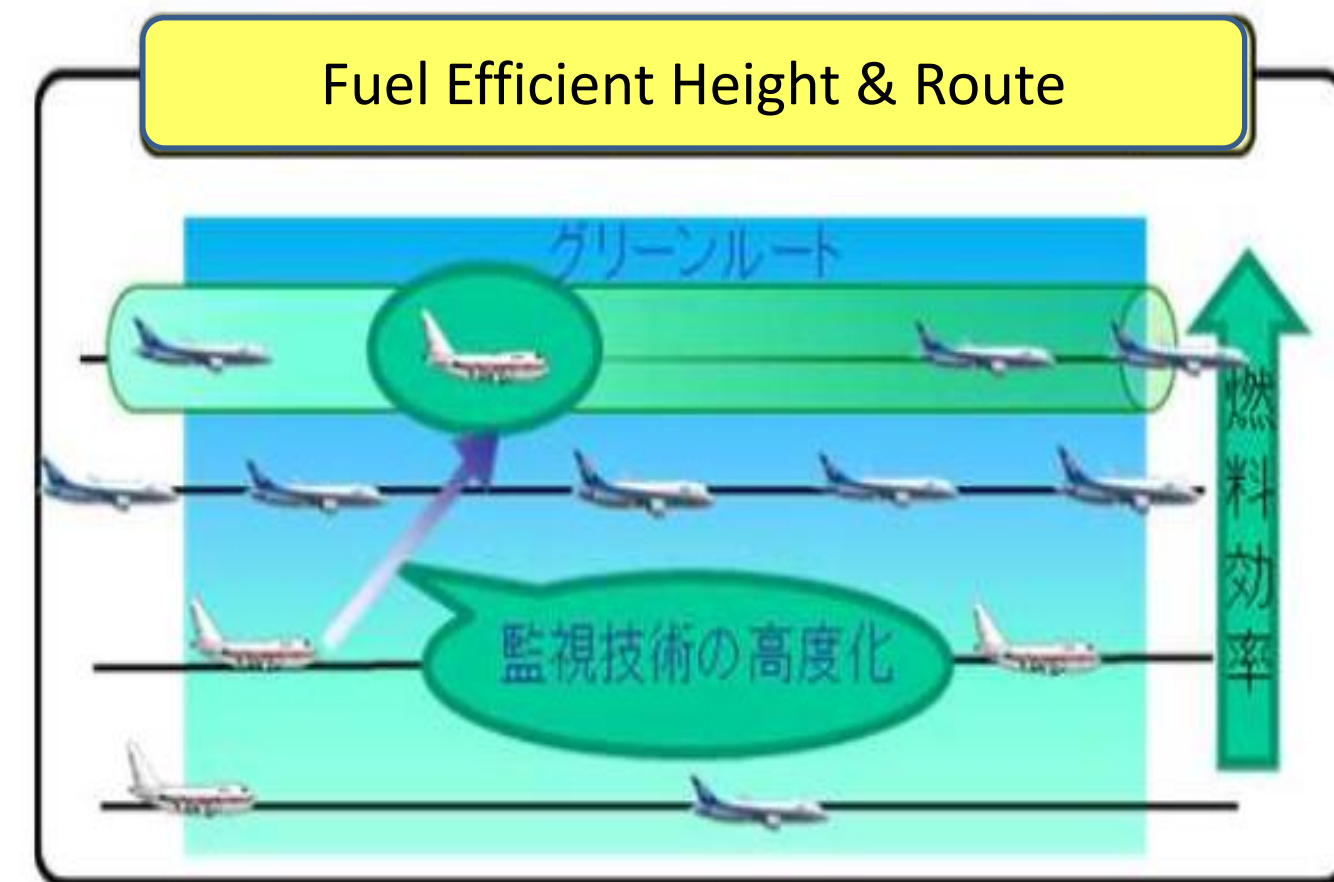
*²Fischer-Tropsch process



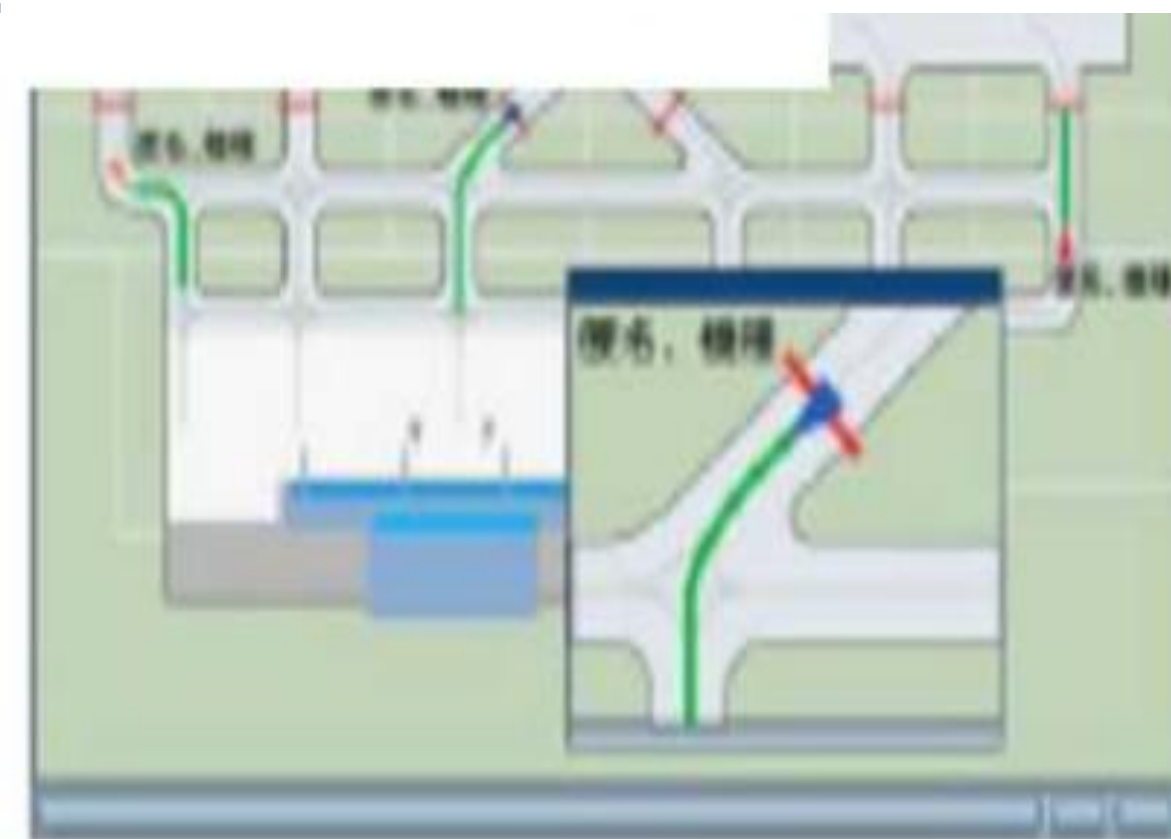
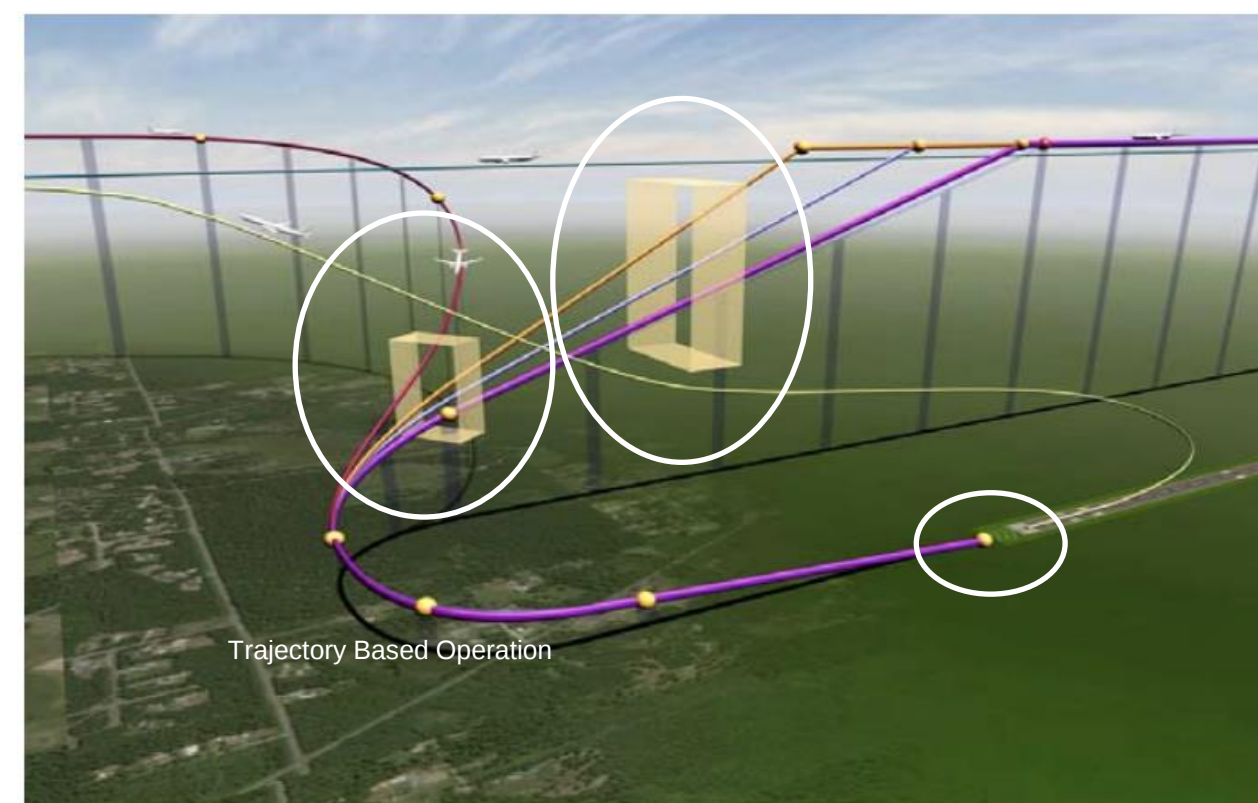
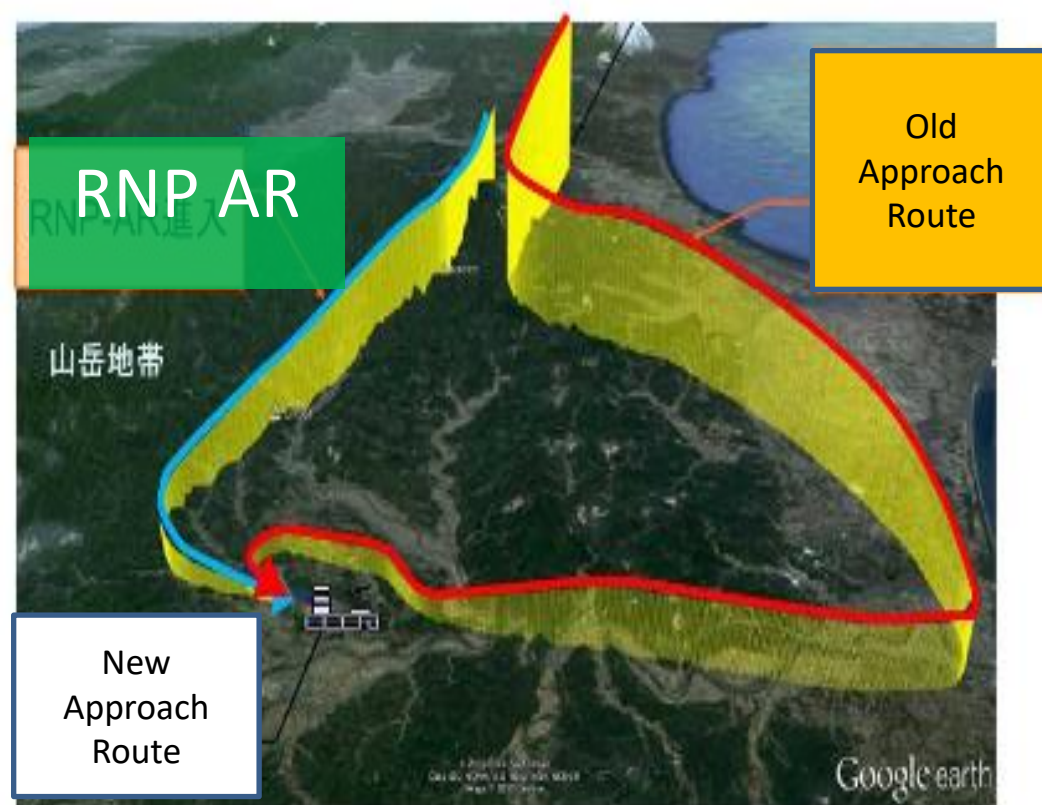
(A) (B) (C) (D)



(A) (C)



CARATS



Thank You



ICAO

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