

**Fifth Meeting of the Cross Polar Trans East Air Traffic Management Providers' Work Group  
(CPWG/5)**

(Ft. Worth, TX, 1-3 April 2008)

**Agenda Item 6: Airway Efficiencies**

**New Route or Re-alignment of Airway B223 from LIKON (Russia) to WKE (Wakkani)  
VOR (Japan)**

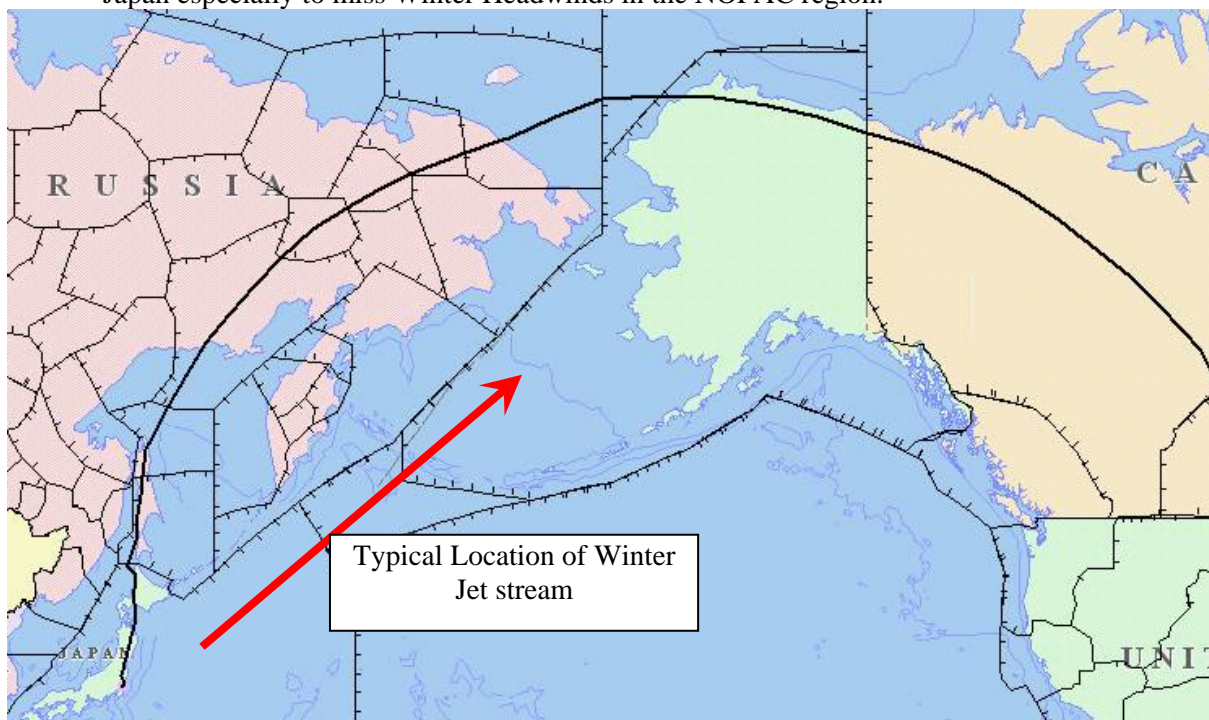
(Presented by Continental Airlines)

**SUMMARY**

This information paper provides a status update on the CPWG/3 unofficial proposal to both Russia and Japan reference Airway B223 re-alignment due to increased current usage to and from North America.

**1. Introduction**

- 1.1.1 Many users are finding efficiencies by transiting Russian Federation Airspace (Russian Trans East) north of the prevailing Jet Stream in the North Pacific from North America to China and Japan especially to miss Winter Headwinds in the NOPAC region.



**2. Discussion**

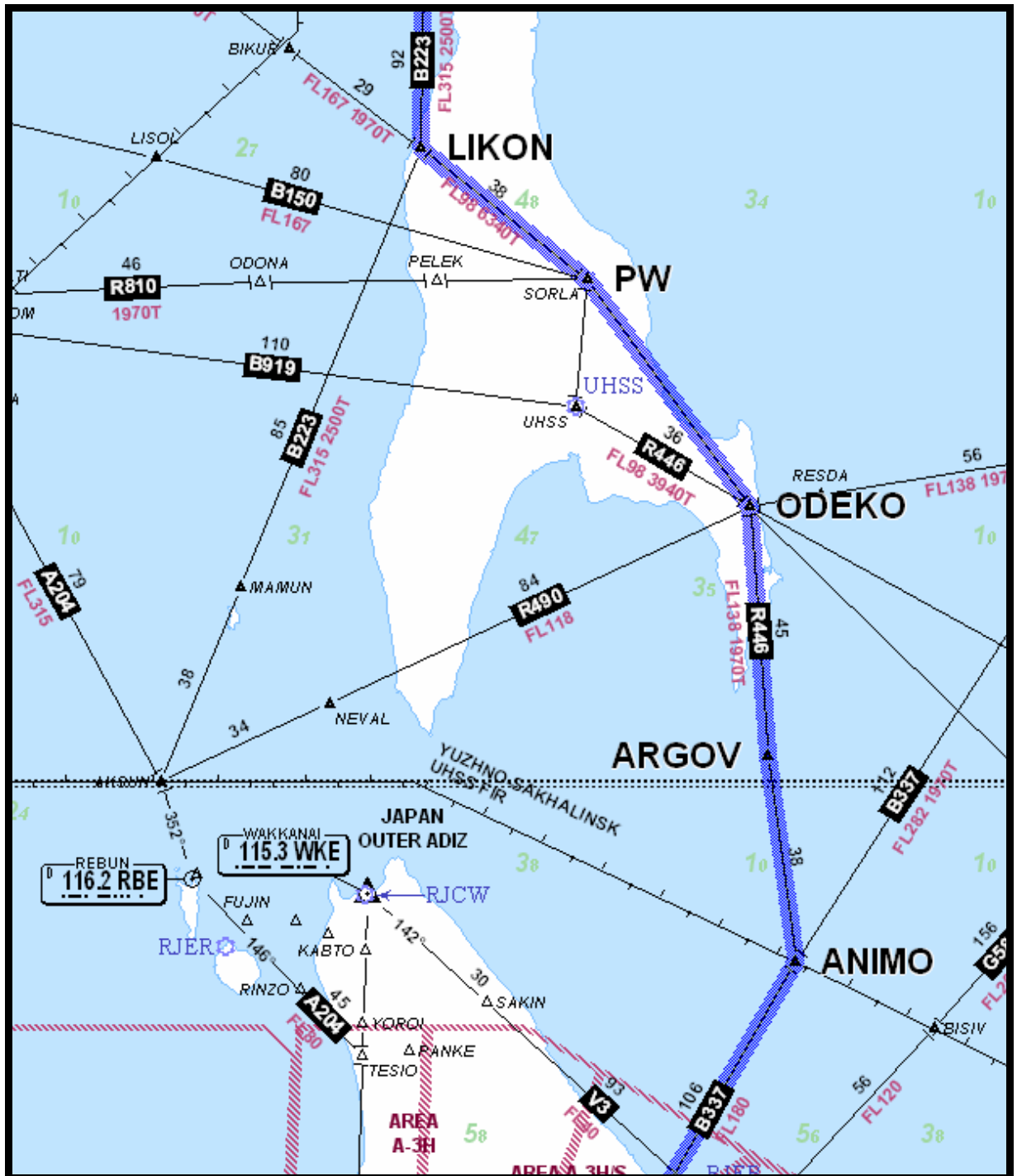
- 2.1 At CPWG/3, IATA delegation requested Russian Federation and Japan to look at the feasibility of re-aligning Airway B223 between Sakhalin Island and Hokkaido Island.

- 2.2 In support of the International Civil Aviation Organization's (ICAO) efforts to reduce operator costs and ecological impacts due to aircraft engine emissions, the following is



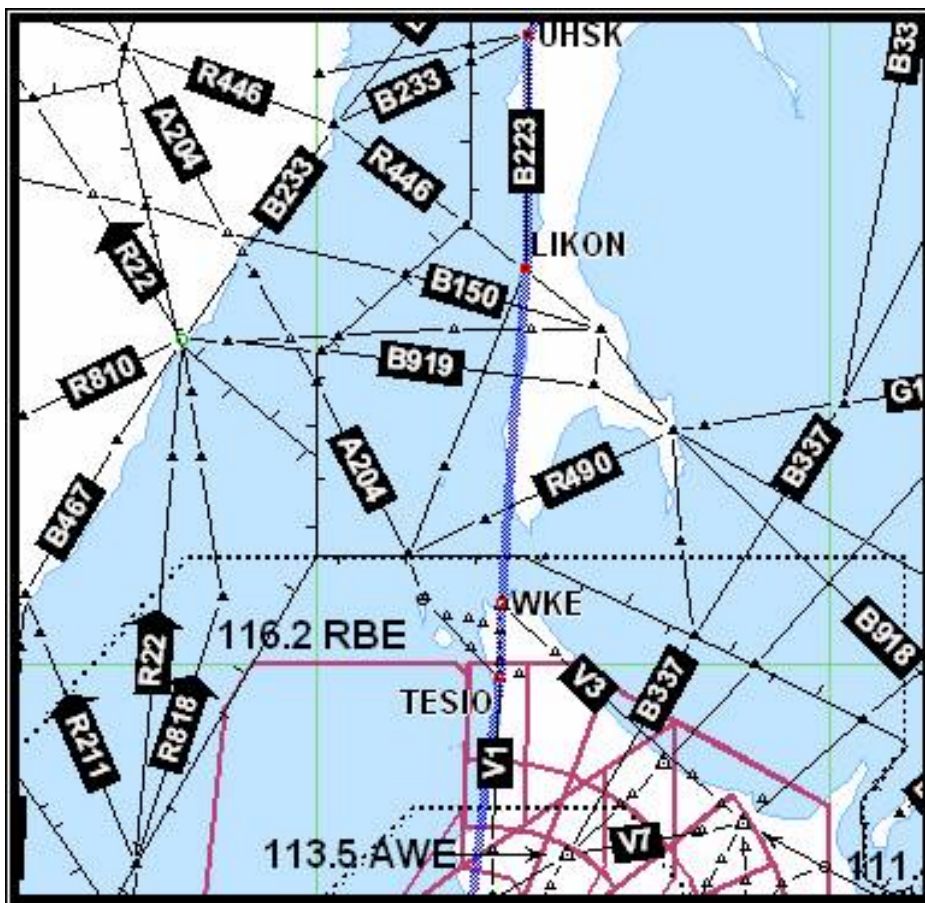
2.4 Present option Number 2 for Routing.

LIKON.R446.SORLA.G103.ODEKO.R446.ANIMO.B337.AWE.V7.CHE – 344Nm



2.5 PROPOSAL for Route Re-alignment

LIKON..xxxx(FIR)..WKE.V1.TESIO.V1.CHE – 297Nm



**SUMMARY**

<b>Option</b>	<b>Distance</b>	<b>Time</b>	<b>Fuel</b>	<b>CO<sub>2</sub> NOT Emitted</b>	<b>Payload</b>
<b>1</b>	320 Nm	0:38	9,100lbs		
<b>2</b>	344 Nm	0:42	10,000lbs		
<b>Proposed Direct LIKON to WKE</b>	297 Nm	0:35	8,100lbs		
<b>Approx. Savings per flight</b>	23Nm	0:03	1,000lbs	3,200lbs	able to carry +1,000lbs
<b>Approx. Savings per Year (using COA as an example- at least 61 COA flights)</b>	1403Nm	183Min s	61,000lb s	19,500lbs	269 Additional Happy Passengers/Carg o

**3. Recommendation**

3.1 The meeting is invited to note the information provided in this paper and to encourage both JCAB and Russian Federation in their excellent work.

**- END -**