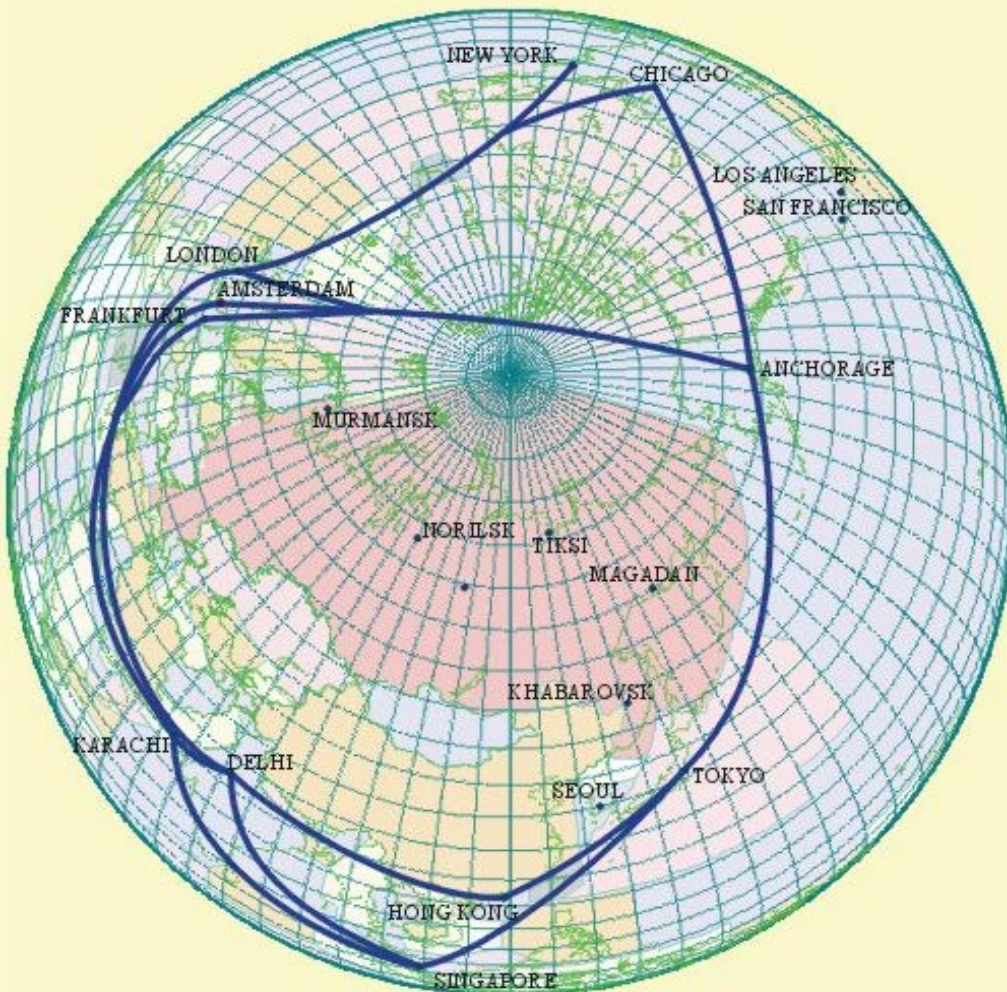
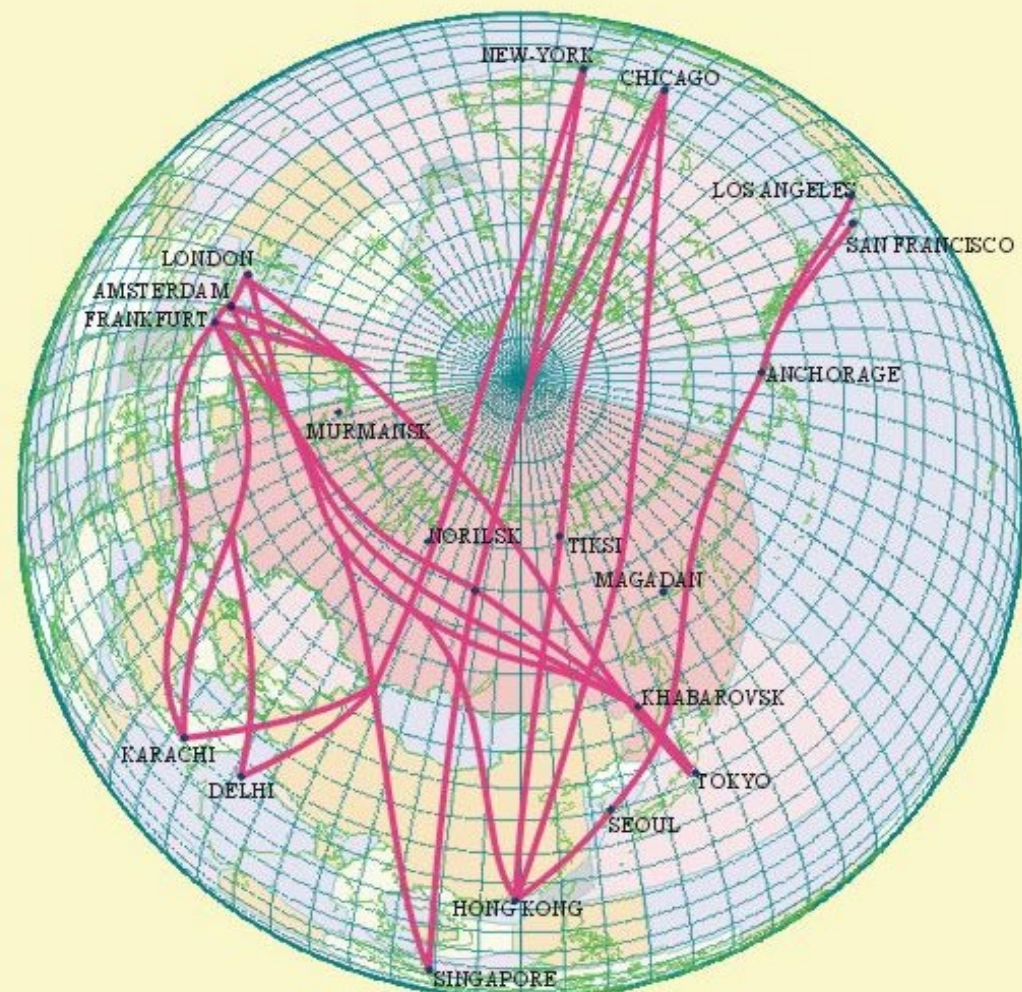


Continental Flight Routes



Old Routes

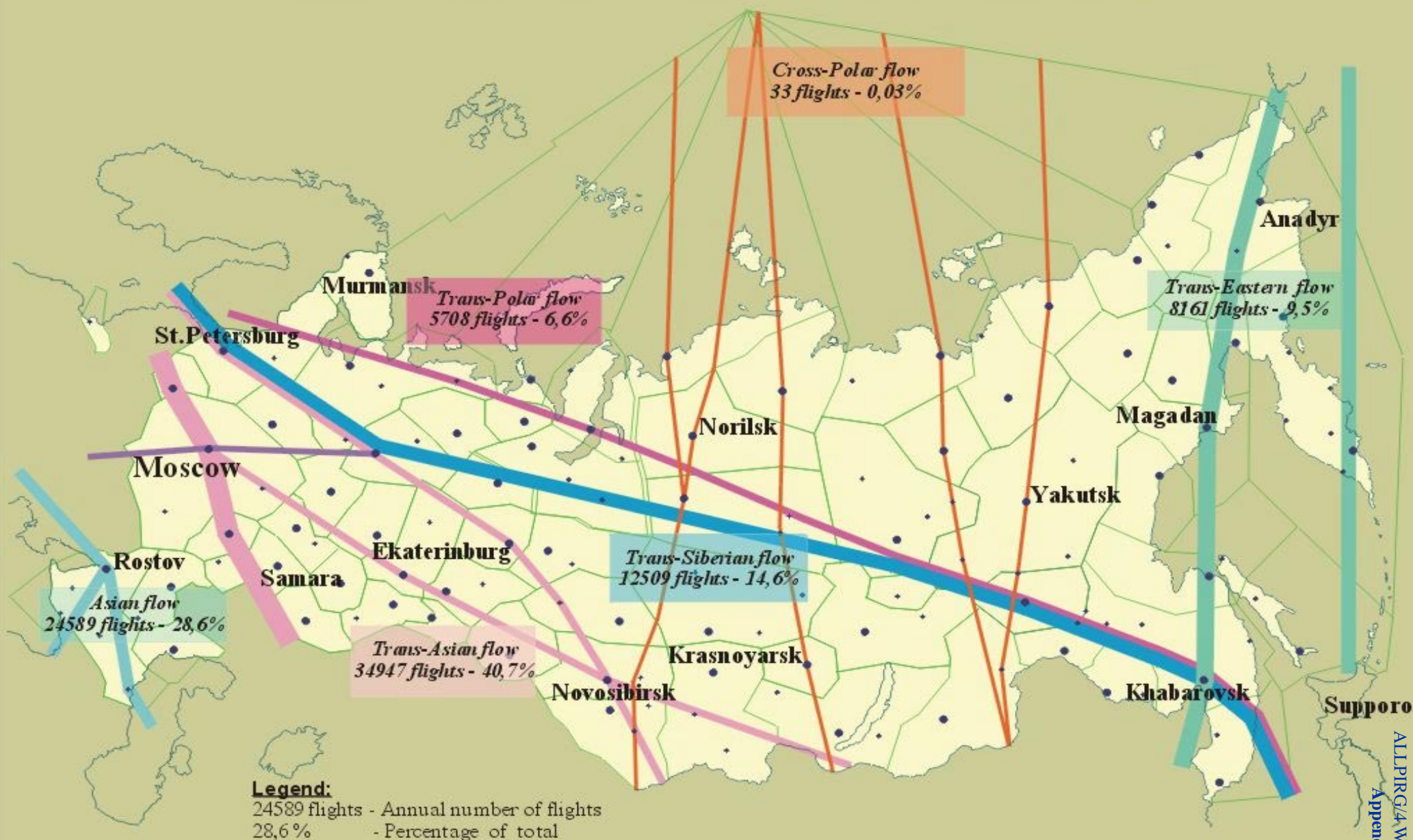


New Routes in Russian Airspace

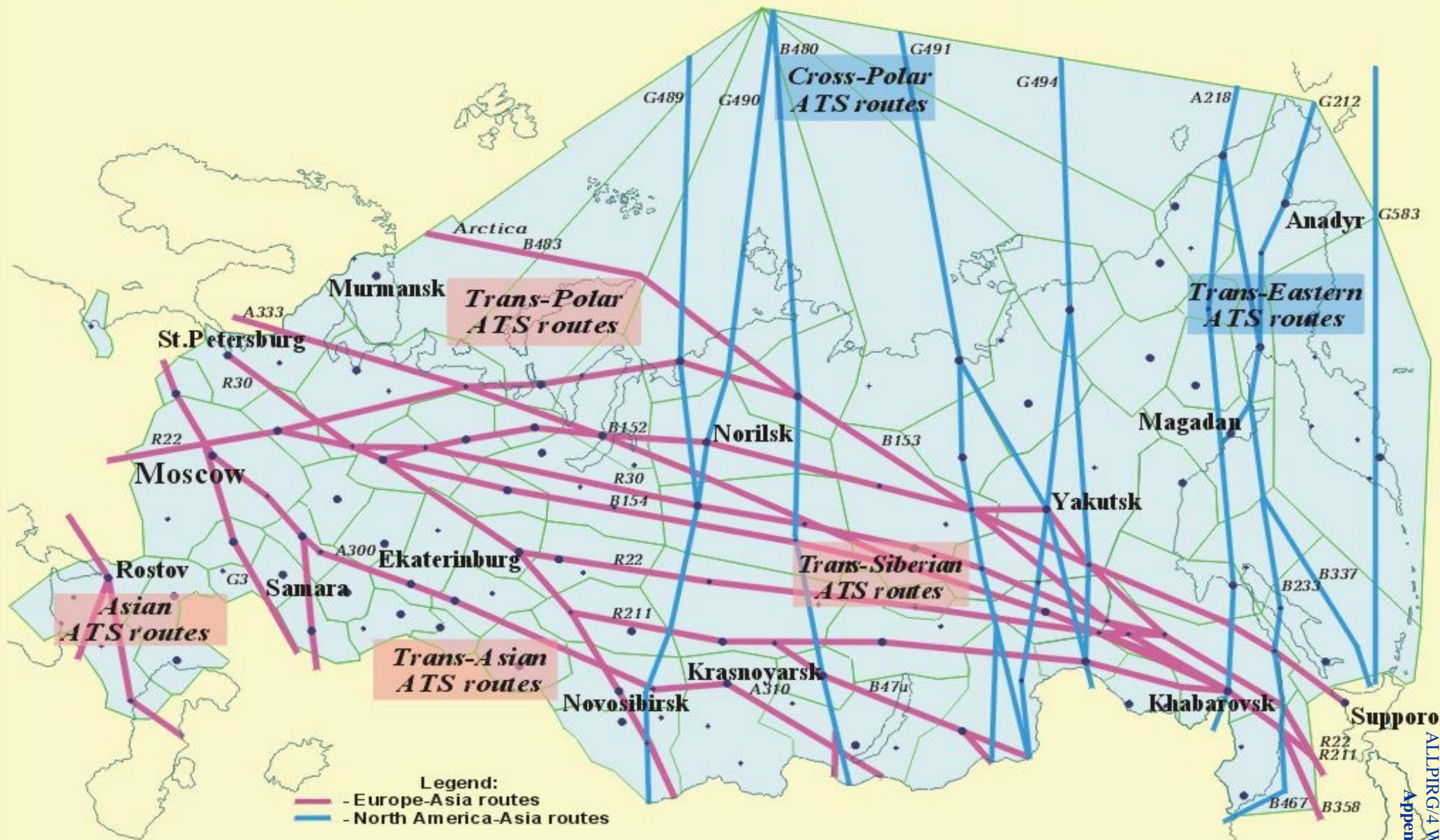


Russian ATM System Authorized Airspace

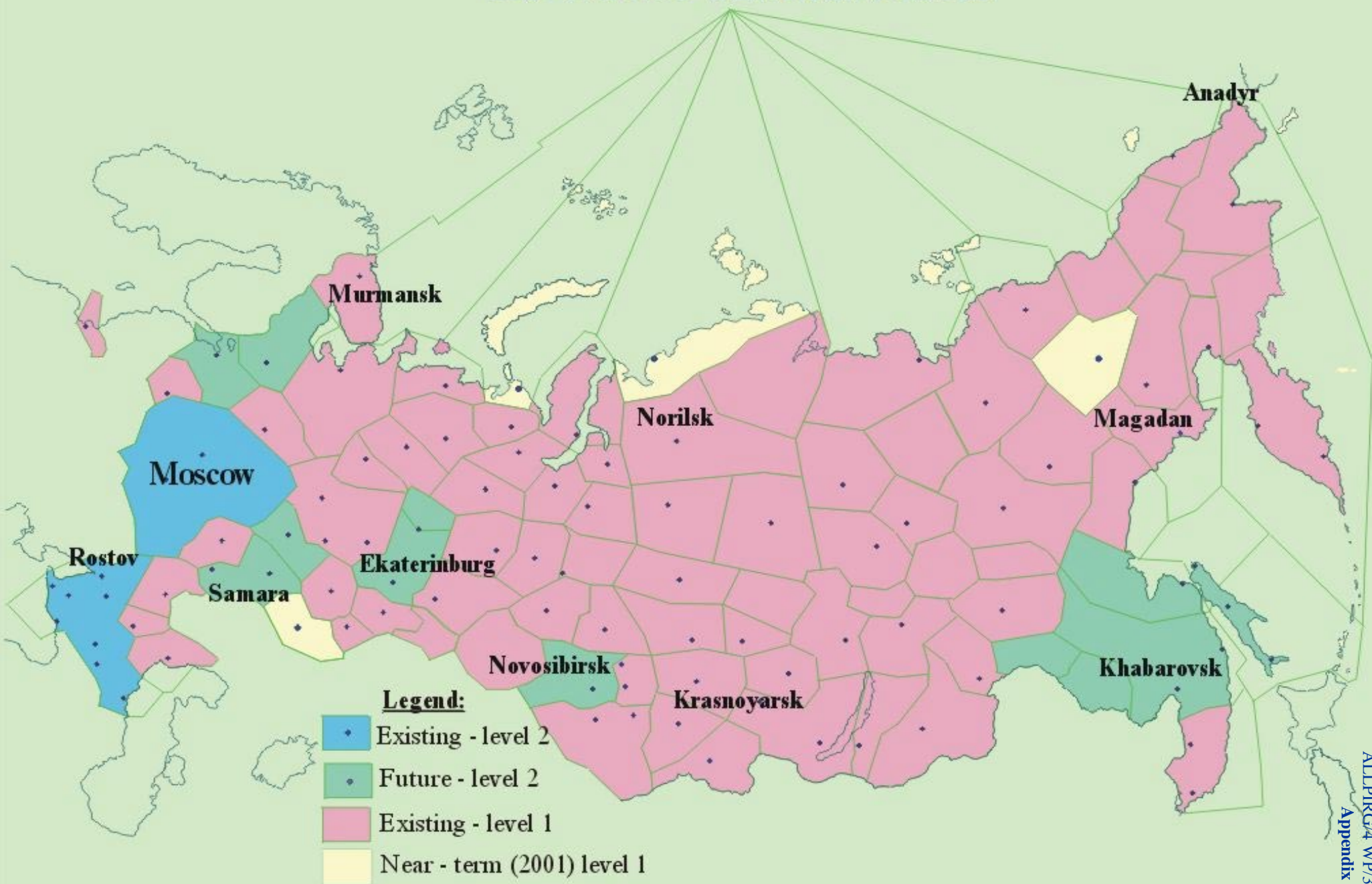
Main transit flight flows in Russian airspace



TRANSIT ATS ROUTE CLASSIFICATION



En-route Automation



Main Results of Demo Flights (1)

No. Flights	YEAR			
	1998	1999	2000	TOTAL
POLAR 1			22	22
POLAR 2	11	27	139	177
POLAR 3		10	186	196
POLAR 4		5	79	84
TOTAL ON 01.01.2001	11	42	426	479

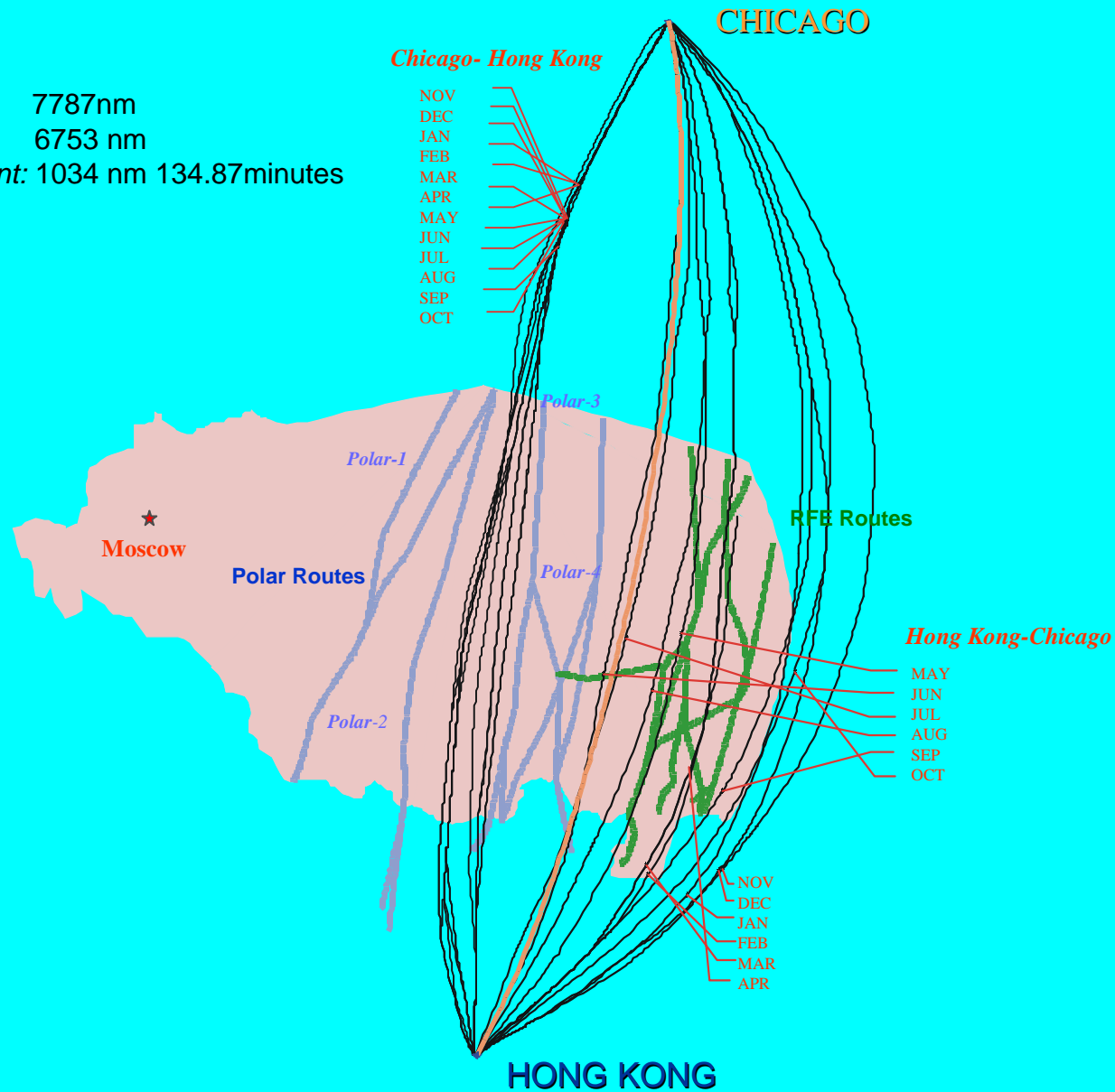
Main Results of Demo Flights

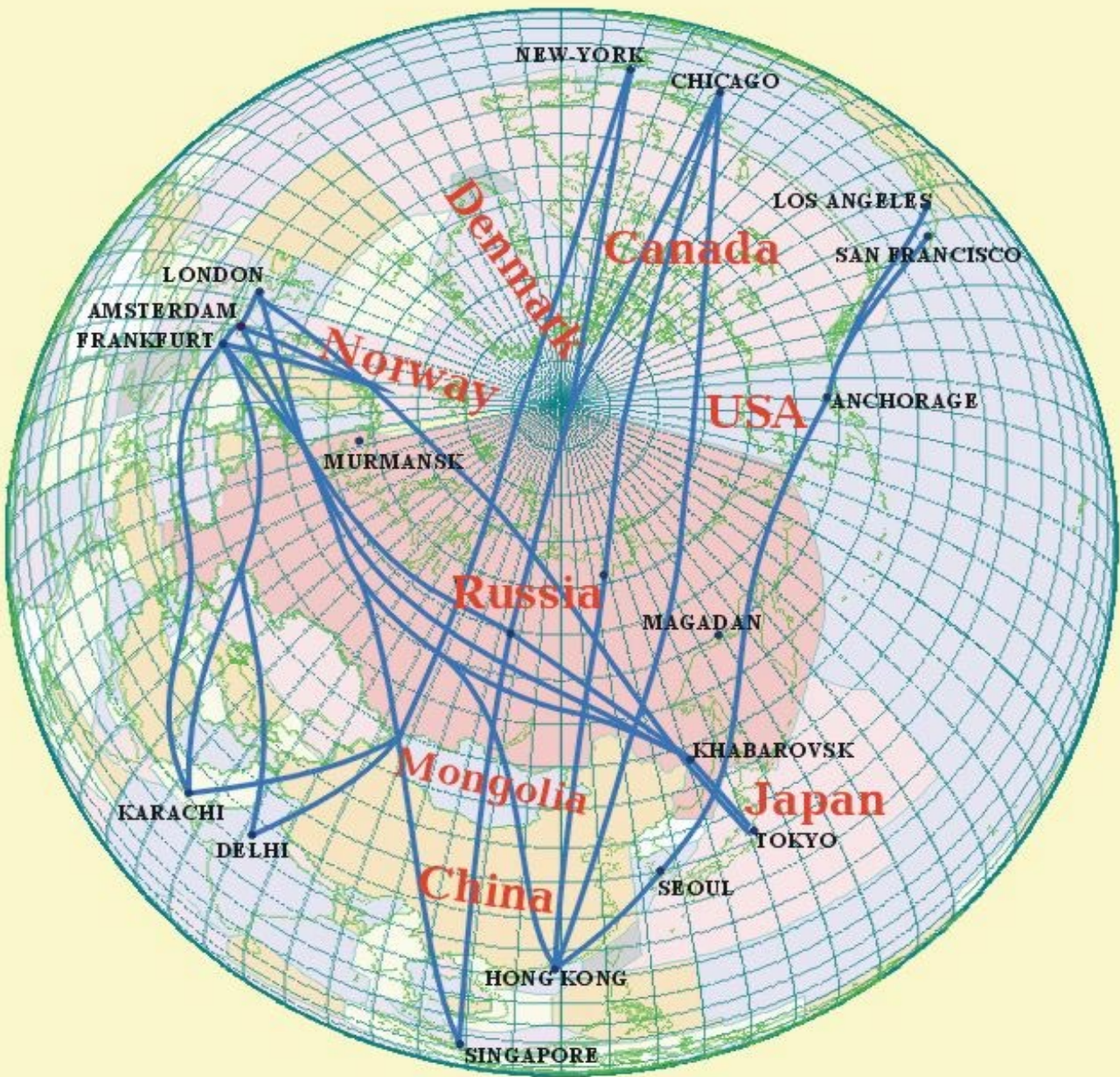
They

- PROVED efficiency of long-haul non-stop flights via the Arctic by 4-engine aircraft
- DEMONSTRATED possibility of flights by 2-engine aircraft
- SAVED flying time by 1.5 – 2 hours as compared to traditional routes
- PROVIDED for air traffic safety in existing ATC environment
- DETERMINED capacity of the existing ATS system – 8 hours a day, not more than 2 aircraft per hour
- HIGHLIGHTED necessity to modernize communication/surveillance means, and ATCO's working positions
- PROVED that after ATC system modernization capacity may be increased to 30-40 aircraft per hour, 24 hours a day

Flights Chicago – Hong Kong and back

Current Distance: 7787nm
 Polar Route distance: 6753 nm
 Flying Saving per Movement: 1034 nm 134.87minutes





- END -