



Agenda Item 6: Airspace Improvement Programmes

AIR TRAFFIC AND ATFM PLANNING IN MONGOLIA

(Presented by Mongolia)

SUMMARY

This paper outlines the progress of air traffic planning and Air Traffic Flow Management (ATFM) implementation in Mongolia. The document is focused on progress of over flown flights annual records during 2012 -2013.

This paper relates to –

Strategic Objectives:

A: *Safety – Enhance global civil aviation safety*

C: *Environmental Protection and Sustainable Development of Air Transport – Foster harmonized and economically viable development of international civil aviation that does not unduly harm the environment*

Global Plan Initiatives:

GPI-6 Air traffic flow management

1. INTRODUCTION

1.1 This information paper provides an annual record over-flights through Mongolian airspace for past two years.

1.2 The objective of the ATFM implementation plan is to enhance flight safety and airspace efficiency of the Mongolian airspace and based on survey data to modernize air route and sectors.

1.3 At present, Mongolia was cooperating with 20 other countries and 160 air companies.

2. DISCUSSION

Over Flights Forecast Between 2012- 2016

2.1 Statistic shows that the Asian economy will increase by 4.1% in the next 20 years. Moreover, AIRBUS Company reported that there will be around 28200 airplanes required all over the world from 2011 to 2031, and the number of flight will be increased by 4,4% in 2021-2031, by 5,1% in 2021-2031 globally. According to this statistic, we estimate that the flight number over the Mongolian airspace will be increased around 5% until 2016.

2.2 Every year over-flights through Mongolian airspace were growing and we have improved our service. Mongolia plans to implement a complete flow management plan in the near future. The framework of this implementation, the amendment of the document, online flight order, management on slot time and improvement of the plan network have been started. Implementing the complete flow management plan is expected to lead to an increase in airspace capacity, improved sector allocation, and an increase in the number of flights over Mongolia.

Flight Records (2007-2013)

2.3 **Figures 1-3** provide information on aircraft flight statistics in Mongolia.

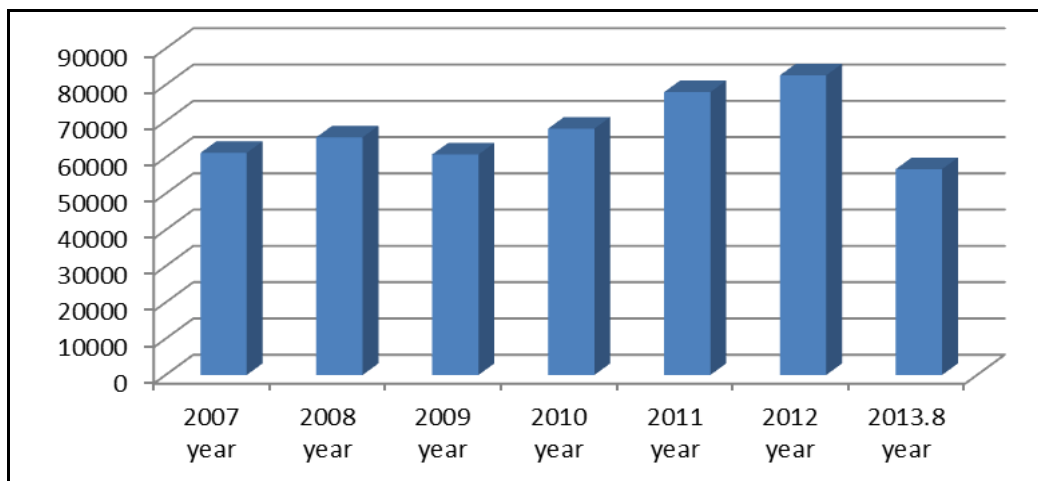


Figure 1: Over Flights

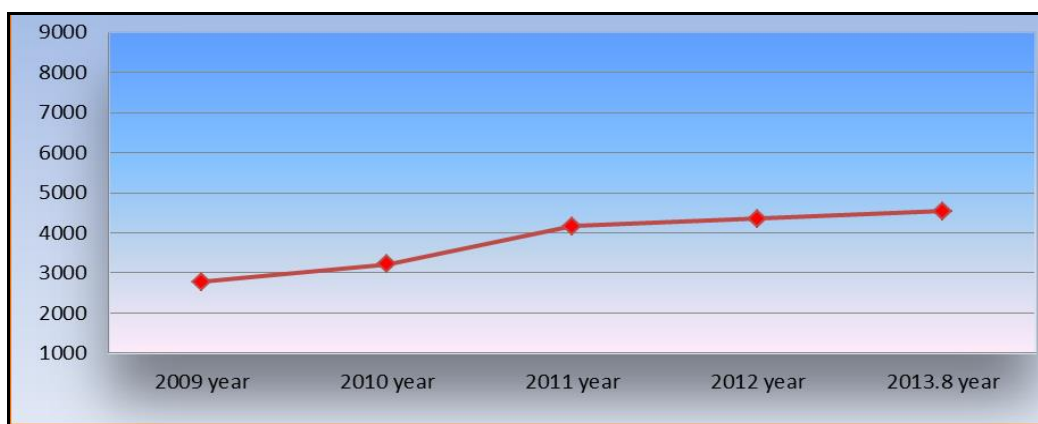


Figure 2: International Movements (Departures and Arrivals)

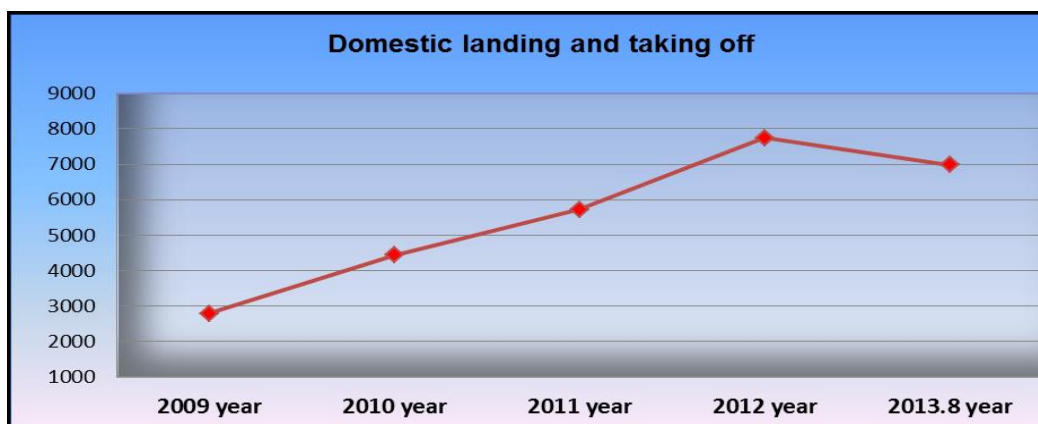


Figure 3: Domestic Movements (Departures and Arrivals)

2.4 **Figure 4** provides information on international air routes in Mongolia.

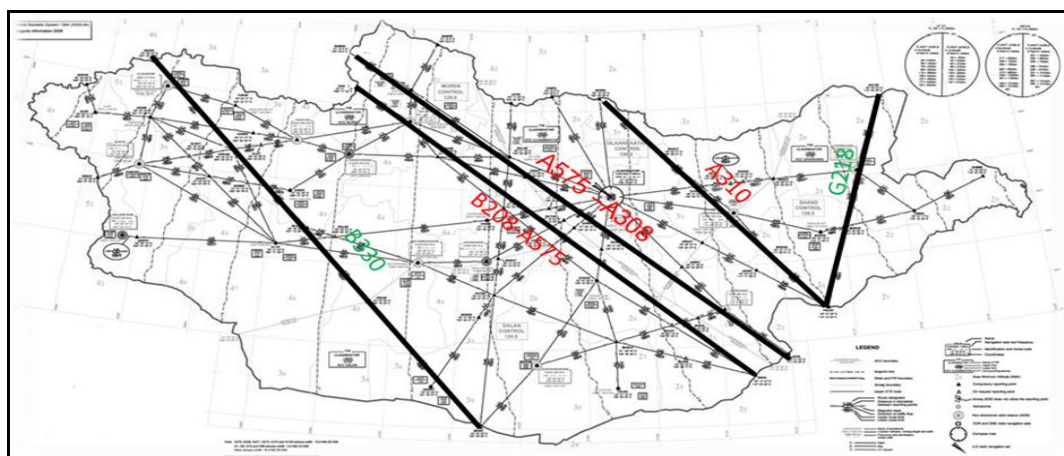


Figure 4: Active International Routes by Percentage

ATFM implementation Plan

2.5 The Mongolian ATFM Implementation Plan is to:

- meet and exchange experiences with other States regarding flight planning, registration and other matters relevant to ATFM;
- conduct AFTM training, cooperation, communication and exchange program for employees; and
- establish cooperation agreements between neighboring countries.

3. ACTION BY THE MEETING

3.1 The meeting is invited to note the information contained in this paper.

.....