



International Civil Aviation Organization

COM CO-ORDINATION MEETING

People's Republic of China, Japan, Mongolia and Russian Federation



Shanghai, People's Republic of China, 18 – 20 October 2011

Agenda Item 6: Review operational status of AFS communication between Mongolia and Russia and discuss alternate AFTN routing arrangement for circuit between Ulaanbaatar and Beijing via Irkutsk/Moscow/Fukuoka

REVIEW OF OPERATIONAL STATUS OF AFS COMMUNICATION BETWEEN MONGOLIA AND RUSSIA, AND DISCUSS ALTERNATE AFTN ROUTING ARRANGEMENT FOR ULAANBAATAR AND BEIJING CIRCUIT VIA IRKUTSK/MOSCOW/FUKUOKA

(Presented by Mongolia)

SUMMARY

This paper reviews AFS communication performance Mongolia and Russia, discuss an AFTN routing change.

1. INTRODUCTION

1.1 This paper provides guidelines, technical provisions and operational requirements for AFS communication for the area with interest of the meeting. It also reviews AFS communication performance and circuit operational status between Ulaanbaatar and Irkutsk. Furthermore, it discusses alternate routing arrangement for Mongolia and Russia circuit.

2. DISCUSSION

2.1 The circuit operational status between Ulaanbaatar and Irkutsk is functioning satisfactory. Therefore, the circuit performance between Ulaanbaatar and Irkutsk is showing that possibility for the alternate routing arrangement between Mongolia and Russia/Moscow. Mongolia has only one international AFTN routing which is between Ulaanbaatar and Beijing. Therefore, Mongolia requests to make an arrangement of alternate routing between Irkutsk and Ulaanbaatar via Irkutsk/Moscow/Fukuoka in order to improve reliability performance of AFS communication in Mongolia.

2.2 Currently reliability performance of the Ulaanbaatar and Irkutsk is using VSAT and Fiber optic at speed of 300 baud, data bit of 5, stop bit of 1. **Refer to the attachment 1** for current AFTN routing performance and relation of VSAT link. If the alternate routing arrangement is accepted by both parties, the performance of the Ulaanbaatar and Irkutsk will be upgraded. Mongolia has a potential to enhance the operational status of AFS communication between Mongolia and Irkutsk.

2.3 The traffic loading statistics for the AFTN circuits between Mongolia and Irkutsk provided by Mongolia for consideration by the meeting are as follows:

The statistics between Ulaanbaatar and Irkutsk AFTN circuit is as follows.

Ulaanbaatar- Irkutsk	300 baud rate (October 4-5, 2011)
Percent daily (input)	=less than 0.76%, 75511, characters daily
Percent daily (output)	=less than 0.05%, 8924, characters daily

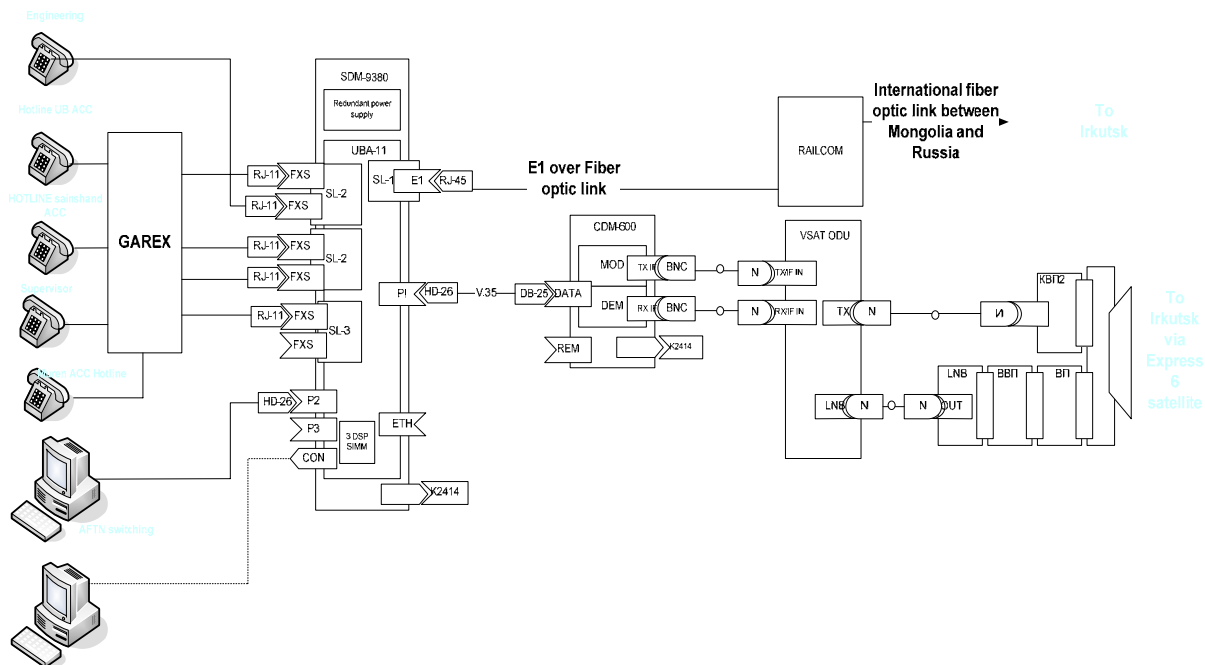
3. CONCLUSION

3.1 The States concerned are requested to consider changing and arrangement for the alternate AFTN routing between Ulaanbaatar and Irkutsk via Irkutsk/Moscow/Fukuoka.

4. ACTION BY THE MEETING

4.1 The meeting invited to review the requirements for it and discuss alternate AFTN routing for Ulaanbaatar and Beijing.

Attachment 1



- Main channel via Ground fiber optic 64 kbps
- Redundancy channel via VSAT point-to-point connection 64 kbps
 - Four hotline telephone circuits for ACCs
 - One data channel AFTN