



## INTERNATIONAL CIVIL AVIATION ORGANIZATION

**TWENTY-SECOND MEETING OF THE  
ASIA/PACIFIC AIR NAVIGATION PLANNING AND  
IMPLEMENTATION REGIONAL GROUP (APANPIRG/22)**

Bangkok, Thailand, 5-9 September 2011

**Agenda Item 3: Performance Framework for Regional Air Navigation Planning  
and Implementation**
**3.4: CNS/MET**
**STATUS OF ATN IMPLEMENTATION IN MONGOLIA**

(Presented by Mongolia)

**SUMMARY**

This paper gives information about the status of The Ground circuit for ATN implementation in Mongolia.

*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-17 Data link applications
- GPI-22 Communication infrastructure

**1. INTRODUCTION**

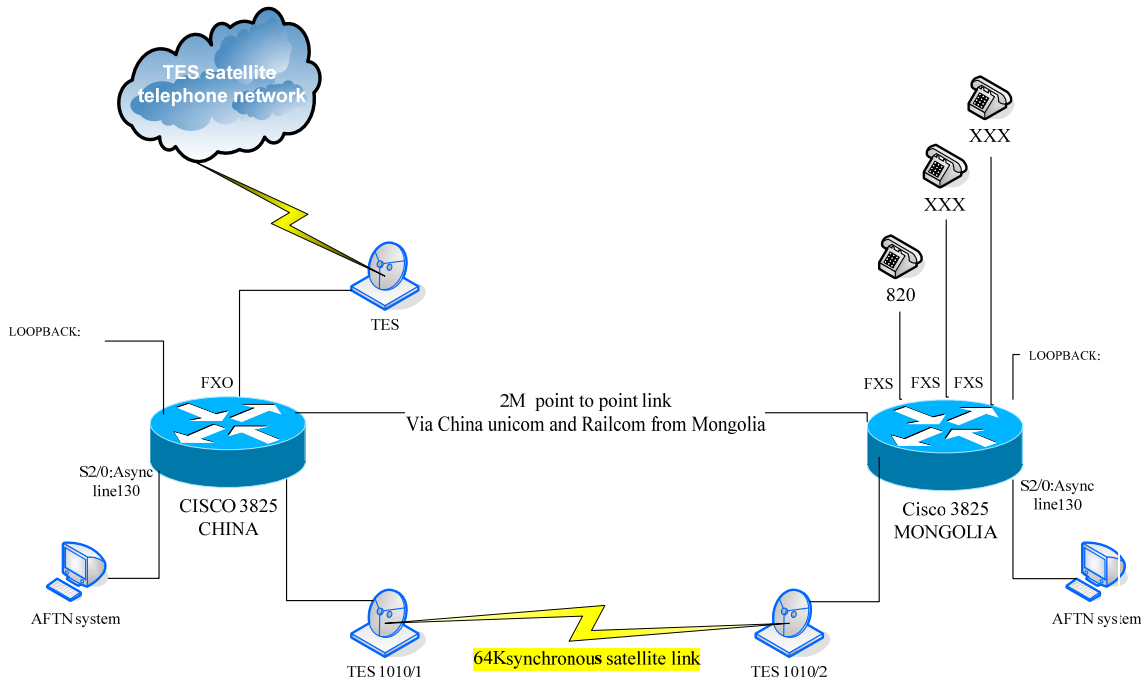
1.1 This information paper reports on the status of Mongolia's AMHS/ATN implementation and new developed optic based high speed ground circuit between Mongolia and China.

**2. DISCUSSION**

2.1 Over the past few years, the Civil Aviation Authority of Mongolia and Civil Aviation Authority of China have agreed to develop optic link based high speed ground circuit between Ulaanbaatar and China.

2.2 In October 2010, Mongolia and China installed a optical fiber cable based high speed ground circuit dedicated to AFTN communication and direct speech circuit between Ulaanbaatar and Beijing, separate from the 64 kbps VSAT based circuit currently used for AFTN and direct speech communications between Mongolia and China. It will carry out AMHS and ATN based AIDC pre-operational trials involving comprehensive connection tests.

2.3 Mongolia and China agreed that the ground circuit is using as backup link for VSAT link or vice versa. The routers in the following chart are able to elect suitable link automatically based on the performance status of the circuit. The newly implemented ground circuit will also be used for planned AMHS and AIDC service connection to exchange messages between Mongolia and China and will become part of the Aeronautical Fixed Service infrastructure.



*Communication links between Ulaanbaatar, Mongolia and B*

**3. ACTION BY THE MEETING**

3.1 The meeting is invited to note the contents of this information paper.