



*International Civil Aviation Organization*

**The Sixth Meeting of the Aeronautical Information Services – Aeronautical Information Management Implementation Task Force (AAITF/6)**

Bangkok, Thailand, 15 to 17 March 2011

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**Agenda Item 9: Any other business**

**Using new technology for provision of aeronautical information services**

(Presented by Mongolia)

**SUMMARY**

This paper proposes a new way to provide eAIP and other IAIP elements using tablet technology such as Apple iPad and Samsung Galaxy Tab.

**1. INTRODUCTION**

1.1 To satisfy new requirements arising from the Global Air Traffic Management Operational Concept, aeronautical information services are transitioning to broader concept of aeronautical information management, with a different method of information provision and management given its data-centric nature as opposed to the product-centric nature of AIS.

1.2 Most ICAO Contracting States are introducing the electronic version of their Aeronautical Information Publications which are in most cases PDF files using HTML format. These eAIPs are only available to users who have computers with internet access or CD-ROM.

1.3 The International Consumer Electronics Show 2011 (CES2011) was dominated by tablets such as Motorola Xoom, BlackBerry PlayBook, Samsung Galaxy Tab and last but not least, Apple iPad. These touchscreen slabs have seen a rise in their popularity and acceptance for their capability of replacing computers in so many ways. Apple's total 2010 iPad sales were expected to be around 10 million but according to Steve Jobs, 15 million iPad have been sold as of March 2, 2011.

**2. DISCUSSION**

2.1 One of the best ways to use iPad is for reading books, magazines and newspapers and iPad offers a new and flexible way to view eAIPs. The only thing Aeronautical Information Services need to do is design an iPad application and submit it to iTunes Apple store. Users

can purchase and browse electronic AIPs from anywhere in the world by downloading this application from iTunes.

2.2 In the next stage, other AIS products such as NOTAM, Pre-flight Information Bulletin, Aeronautical Information Circular, AIP Supplement and Meteorological Information can be provided using the iPad. Pre-flight briefings can be lot easier too.

2.3 What are the advantages and disadvantages of using iPad for eAIP?

Advantages:

- Cost saving;
- Convenient for pre-flight briefing;
- Portable;
- Easy to carry (smaller than A4 size paper);
- Stores multiple eAIPs;
- Lighter than laptop;
- Internet access using 3G and Wi-Fi technology;
- Doesn't have to turn off when using in aircraft (Airplane Mode);
- Can be used for other purposes;
- Can completely replace paper AIPs in near future.

Disadvantages:

- Need to design an application;
- Information has to be updated 13 times a year according to AIRAC cycle;
- Easily broken if dropped;
- Needs to be charged constantly depending on the usage.

2.4 *Note. – Video demonstration on browsing eAIP of Mongolia using iPad.*

### **3. CONCLUSION**

3.1 In conclusion, we believe that using tablets to provide electronic AIP and other AIS products including NOTAM, Pre-flight Information Bulletin, Aeronautical Information Circular, AIP Supplement and Meteorological Information fully comply with ICAO requirement to replace the traditional product centric provision of aeronautical information by a data centric and systems oriented solution.

### **4. ACTION BY THE MEETING**

4.1 The meeting is invited to note the information contained in this Paper.

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