



ICAO

International Civil Aviation Organization

Eighteenth Meeting of the ICAO Aeronautical Information Services – Aeronautical Information Management Implementation Task Force (AAITF/18)

Bangkok, Thailand, 19 – 23 June 2023

Agenda Item 4: AIS-AIM Updates

INTRODUCTION OF ONLINE NOTAM SERVICE IN HONG KONG CHINA

(Presented by Hong Kong China)

SUMMARY

This paper presents the introduction of Hong Kong online NOTAM service to enhance accessibility to the most up-to-date Hong Kong NOTAM via the Hong Kong Aeronautical Information Service (AIS) website, <https://www.ais.gov.hk>.

1. INTRODUCTION

1.1 To further enhance the Aeronautical Information Service (AIS) provided by the Aeronautical Information Management Centre (AIMC) of Hong Kong China to the aviation industry especially to our aviation community, the Hong Kong online NOTAM service was introduced since 27 March 2023 providing most up-to-date Hong Kong NOTAM via the Hong Kong AIS website, <https://www.ais.gov.hk>.

1.2 Before the implementation of the online NOTAM service, only those airline operators who subscribed to commercial NOTAM service or with dedicated Aeronautical Fixed Telecommunications Network (AFTN) / Air Traffic Services (ATS) terminals could download the Hong Kong NOTAM updated at 15-minute intervals. For aviation stakeholders who were not AFTN / ATS terminals subscribers, they would need to subscribe to Hong Kong AIMC so that they could receive Hong Kong NOTAM summary via email two times daily. Hong Kong AIMC could also provide Hong Kong NOTAM summary on request basis.

1.3 To further enhance operators' situational awareness and planning, Hong Kong China initiated the development of a near real time access to current Hong Kong NOTAM via Internet.

2. DISCUSSION

Online NOTAM System Architecture

2.1 The new online NOTAM system receives AFTN messages from Air Traffic Services Message Handling System (AMHS) and extracts Hong Kong NOTAM (including SNOWTAM), which are then displayed on the Hong Kong AIS website, <https://www.ais.gov.hk>, via the Hong Kong Civil Aviation Department (CAD)'s web servers. See **Figure 1**.

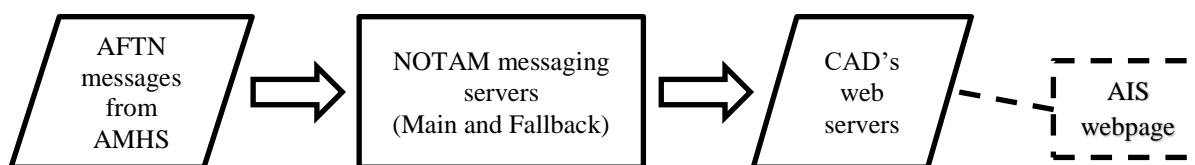


Figure 1 – Message flow of online NOTAM system

2.2 To ensure high availability of the online NOTAM service, the system and path resilience are incorporated in the system architecture. Meanwhile, isolation by serial links is adopted for cyber security consideration.

Access to Hong Kong NOTAM

2.3 Since 27 March 2023, all current Hong Kong NOTAM (including SNOWTAM) has been accessible via the Hong Kong AIS website (See **Figures 2 and 3**). AIC 09/23, INTRODUCTION OF ONLINE NOTAM SERVICE BY CIVIL AVIATION DEPARTMENT HONG KONG, was issued to notify aviation community of the new service.



Figure 2 - NOTAM on AIS website

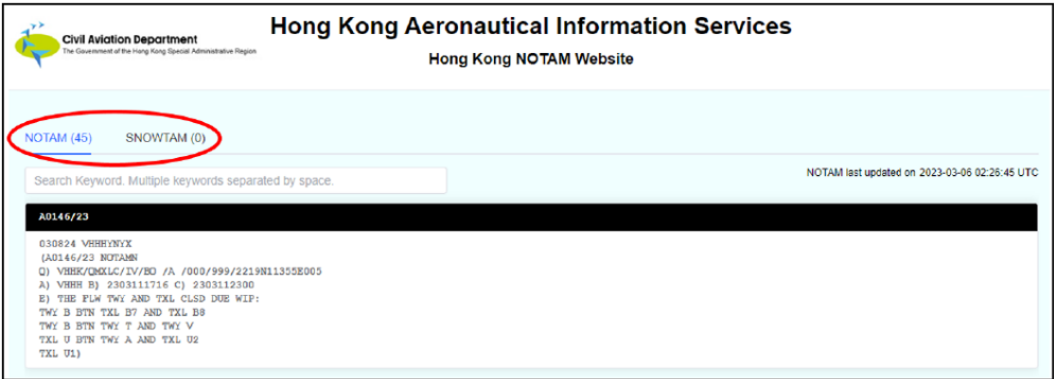


Figure 3 – Display of Hong Kong NOTAM and SNOTAM

2.4 The online NOTAM service enables aviation community to gain access to the near real-time Hong Kong NOTAM anytime and anywhere via Internet without the need of subscription. The convenient accessibility to the most updated NOTAM has significantly enhanced the situation awareness of airline operators. Hong Kong has been receiving very encouraging and supportive feedback of the said service from stakeholders concerned.

3. ACTION BY THE MEETING

- 3.1 The meeting is invited to:
 - a) note the information contained in this paper; and
 - b) discuss any relevant matters as appropriate.

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