



ICAO

*International Civil Aviation Organization***Sixth Meeting of the Surveillance Implementation Coordination Group (SURICG/6)**

Video Teleconference, 24 – 27 August 2021

Agenda Item 8: Update on surveillance activities and explore potential cooperation opportunity

a) States/Administrations

ATC SURVEILLANCE ACTIVITIES UPDATE IN MALAYSIA

(Presented by Malaysia)

SUMMARY

This paper provides information on Air Traffic Surveillance activities in Malaysia. It contains the progress of the on-going and future projects related to ATC Surveillance activities in Kuala Lumpur Flight Information Region (KL-FIR) and Kota Kinabalu Flight Information Region (KK-FIR)

1. INTRODUCTION

1.1 This paper provides information on surveillance activities that are involved in the current ATMS upgrading projects in KL-FIR and KK-FIR Malaysia.

1.2 The on-going project is the New Kuala Lumpur Air Traffic Control Centre (KL ATCC) in KL-FIR. It started in the early of 2016 and was supposed to complete by mid 2020. The project was delayed due to the Covid-19 pandemic.

1.3 The other on-going ATM Surveillance project is the upgrading of KK-FIR which began on the third quarter of 2017 and was expected to complete by the end of 2020. This project was also halted due to the pandemic.

2. THE NEW KL ATCC PROJECT STATUS

2.1 The upgrading of the ATC surveillance for the New KL ATCC project consists of:

- i. Two (2) Terminal Approach Radar (PSR and SSR co-mounted) replacements at Langkawi and Sepang (KLIA 2);
- ii. A new MSSR at Mersing;
- iii. Two (2) new ADS-B sites (dual sensors for each site) at Langkawi and Genting; and
- iv. Surveillance Performance Monitoring System (SPMS) at the New KL ATCC, Sepang.

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2.2 The entire system (as mentioned above) has been installed and the ATC surveillance data is fully integrated in Multi Sensor Fusion (MSF) at the New KL ATCC for monitoring and analysis purposes.

2.3 This project is expected to be fully operational by early September 2021. The entire team of KL-FIR ATCC will move to new KL ATCC at Sepang.

3. KK-FIR PROJECT STATUS

3.1 The KK-FIR project consists of upgrading air traffic surveillance facilities which includes:

- i. Two (2) Terminal Approach Radars (PSR and MSSR co-mounted) replacements at Kuching and Kota Kinabalu;
- ii. A new Terminal Approach Radar (PSR and MSSR co-mounted) installation at Sandakan;
- iii. Four (4) ADS-B sites/sensors at Kota Kinabalu, Kuching, Sandakan and Bintulu; and
- iv. SPMS at KK ATCC, Kota Kinabalu.

3.2 The entire project is completed except Sandakan TAR which is currently under setting up phase. Then it will complete after acceptance test and flight trail session.

3.3 Then the ATC Surveillance data will integrate into Kota Kinabalu ATCC. This project is expected to be completed by the first quarter of 2022.

4. FUTURE PROJECT

4.1 Malaysia is preparing two (2) new tenders for three (3) radars replacements to replace:

- i. Subang TAR (PSR and SSR co-mounted) and Genting MSSR (en-route); and
- ii. Miri TAR (PSR and SSR co-mounted)

4.2 All MSSR radars is Mode S DAPs compliance.

5. ACTION BY THE MEETING

5.1 The objective of the meeting is to:

- a) note the information contained in this paper; and
- b) discuss any relevant matter as appropriate.
