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# AIC

# MALAYSIA

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**KUALA LUMPUR FLIGHT INFORMATION REGION**  
**KOTA BHARU / SULTAN ISMAIL PETRA AIRPORT**  
**UPGRADING OF KOTA BHARU AIRPORT**

**1. INTRODUCTION**

- 1.1 The Kota Bharu Airport will be upgraded to accommodate full Code 4C aircraft operation. The main works will include the upgrading of the infrastructures in the airside. All works are slated for completion by September 2011.

**2. PURPOSE**

- 2.1 The purpose of this Aeronautical Information Circular (AIC) is to provide advance information and advice regarding the scope of works pertaining to the Kota Bharu Airport upgrading programme. This AIC will be followed by a number of AIP Supplements that will provide details of the upgrading works, introduction of new facilities and revision to the existing procedures.

**3. AIRCRAFT MOVEMENT AREAS AND ANCILLARY FACILITIES**

- 3.1 The existing runway length of 1981m x 45m will be extended from Threshold Runway 28 by 491 meters. When completed the runway length will be 2400m x 45m. Runway End Safety Area (RESA) of 90m x 90m provided at both runway ends.  
[See ATTACHMENT A for the proposed layout of the airport]
- 3.2 A new partial parallel taxiway will be introduced to connect the Parking Apron to Threshold Runway 28 and, in order to improve aircraft movement, a connecting taxiway will be provided at 2000 meters from Threshold Runway 10.
- 3.3 The existing VDGS at Bay 1, 2 and 3 will be repositioned to meet separation distance requirement Code C aircraft.
- 3.4 A new apron for helicopter operation will be provided.
- 3.5 The existing meteorological station will be relocated to a new site.

3.6 Airport drainage system, security fencing and airside perimeter road for the extended area will be provided.

#### **4. NAVIGATIONAL AIDS AND VISUAL AIDS**

4.1 A new Aerodrome Ground Lighting (AGL) will be provided for the extended runway, new parallel taxiway and connecting taxiway.

4.2 The Simple Approach Lighting System for Runway 28 will be relocated at new position for the extended runway.

4.3 PAPI for Runway 28 will be relocated to the new position. New threshold lighting and markings for Runway 28 will also be provided.

4.4 The existing ILS Localizer will be relocated at new position for the extended runway. Detail of downtime of the ILS Localizer will be published in AIP Supplement.

#### **5. AIRSPACE STRUCTURES AND PROCEDURES**

5.1 The upgrading of Kota Bharu Airport incorporates the revision of existing airspace, arrival and departure procedures consistent with the extended runway. SIDS and STARs will be introduced to improve traffic flow. Non precision approach and landing procedures will be made available including RNAV procedures. Air routes will be adjusted with relevant charts revised.

#### **6. IMPLEMENTATION**

6.1 This AIC is disseminated for the general information of air operators. Detail of implementation will be provided in subsequent AIP Supplement that will be promulgated. The availability of or withdrawal of facilities or movement areas will be notified by NOTAM.

#### **7. CANCELLATION**

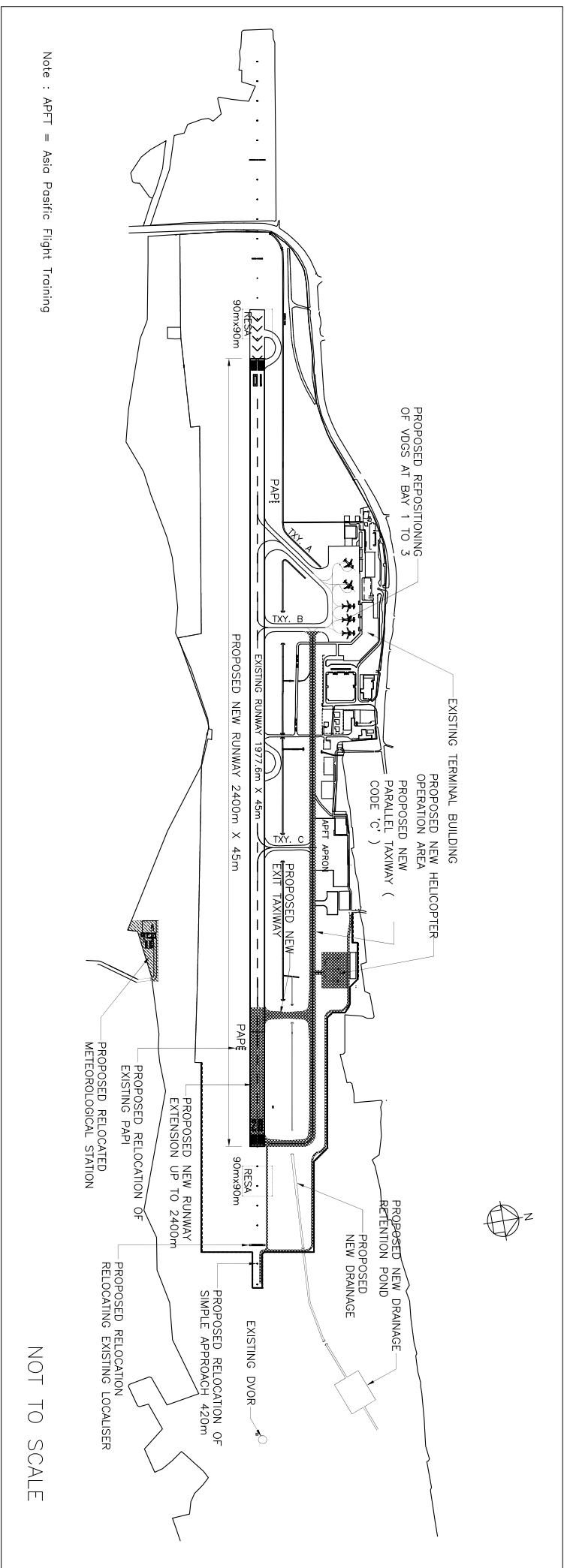
7.1 This AIC remains current until superseded by subsequent AIP Supplement notification on the upgrading works where more details are incorporated.

**DATO' AZHARUDDIN ABDUL RAHMAN.**

**Director General  
Department of Civil Aviation  
Malaysia**

# UPGRADING OF SULTAN ISMAIL PETRA AIRPORT, KOTA BHARU, KELANTAN

ATTACHMENT A



Note : APFT = Asia Pacific Flight Training

NOT TO SCALE

DEPARTMENT OF CIVIL AVIATION MALAYSIA

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