
GEN 3.3 AIR TRAFFIC SERVICES**1. RESPONSIBLE SERVICE**

- 1.1 The Director of Air Traffic Services of Department of Civil Aviation Malaysia acting under the authority of the Director General of Civil Aviation Malaysia is the authority responsible for the overall administration of air traffic services in the provision of air traffic services within the Kuala Lumpur and Kota Kinabalu FIRs.

Postal Address:

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- 1.2 The services are provided in accordance with the provisions contained in the following ICAO documents:

Annex 2 - Rules of the Air
Annex 11 - Air Traffic Services
Annex 12 - Search And Rescue
Annex 15 - Aeronautical Information Services
Doc 4444 - Procedures for Air Navigation Services - Rules of the Air and Air Traffic Services (PANS-RAC)
Doc 8168 - Procedures for Air Navigation Services - Aircraft Operations (PANS-OPS)
Doc 7030 - Regional Supplementary Procedures

- 1.3 The air traffic rules and procedures and the organization in the Kuala Lumpur and Kota Kinabalu FIRs are generally in conformity with the ICAO Standards, Recommended Practices and Procedures. Regional Supplementary Procedures applicable to the SEA Region and Altimeter Setting Procedures Differences to these provisions are detailed in subsection GEN 1.7.

2. AREA OF RESPONSIBILITY

- 2.1 Air traffic services are provided for the entire territory of Malaysia, including its territorial waters as well as the airspace over the high seas within the Kuala Lumpur and Kota Kinabalu FIRs.
- 2.2 In some cases, in accordance with the regional air navigation agreement, air traffic services are provided, under the delegated authority, in the airspace within another bordering FIR. Details of such services are provided in section ENR 2.
- 2.3 The airspace of the Kuala Lumpur FIR embraces Peninsular Malaysia and extensive international waters. The airspace of the Kota Kinabalu FIR embraces Sabah/Sarawak including Brunei and extensive international waters.
- 2.4 The boundaries of the Kuala Lumpur, Kota Kinabalu and Singapore FIRs are defined in chart ENR 2.1 - 9. Area of Responsibility of Aerodrome and Approach units are listed in AD 2.17.

3. TYPES OF SERVICES

3.1 Air Traffic Control is exercised:

- a) In all airspace above FL 250.
- b) On airways at and below FL 250.
- c) In Terminal Control Areas, Control Zones and Aerodrome Traffic Zones.

3.2 Air Traffic Advisory Service is exercised within advisory airspaces.

3.3 Flight information service and alerting service within the Kuala Lumpur and Kota Kinabalu FIRs and air traffic control service in control areas are provided by the Kuala Lumpur and Kota Kinabalu Air Traffic Service Units. There is no distinction between upper and lower controlled airspace. The axis of each airway is constituted by a line connecting reference points identified normally by radio navigational facilities.

3.4 Control Zones have been established at major airports.

3.5 In the Johor area of responsibility / Singapore Control Areas and adjacent thereto, military requirements have led to the establishment a number of restricted and danger areas. The resultant airspace congestion makes it necessary for pilots to observe carefully the lower and upper limits of controlled airspace in manoeuvring the aircraft during holding, approach, departure etc.

3.6 Several restricted areas and danger areas are established within Kuala Lumpur and Kota Kinabalu FIRs. None of these areas interferes with normal air traffic. The Indonesian Prohibited area to the West and North-west of Kuching is lifted to accommodate the lateral, upper and lower limits of Airway G580. Outside these limits the prohibited area still applies.

3.7 Activation of areas subject to intermittent activity is notified well in advance by NOTAM giving reference to the designated area.

3.8 SERVICE PROVIDED

3.8.1 Aerodrome Control Service.

This service is provided to aerodrome traffic at aerodromes at which a control tower is operating. The control function related to the landing area(s) and immediate circuit area is termed as aerodrome control. The control function related to the movement area other than the landing area is termed as ground movement control.

3.8.2 Approach Control Service.

This service is provided to flights approaching an aerodromes or group of aerodromes while within controlled airspace and within 40NM of those aerodromes until the flights become aerodrome traffic. This service also provides to flights that are departing from the aerodromes from the time they cease to be aerodrome traffic until they may proceed independently of approaching flights or other aircraft departing on other routes.

3.8.3 Area Control Service.

This service is provided to flights in control area when not provided with aerodrome or approach control service. Flights may proceed from one area control sector to another until, as an inbound they transfer to Approach Control Service or as an outbound, they transfer to an adjacent FIR Centre.

3.8.4 Air Traffic Control Radar Services.

Radar services may include:

Radar control services which provide positive traffic separation, and the monitoring of aircraft navigation, to radar identified traffic. This service is confined to control airspace.

Approach Director who provides a surveillance radar service for final approach also provides monitoring of an instrument approach and advice of deviations.

3.8.5 Air Traffic Information Services.

An air traffic information service is provided in Aerodrome Traffic Zones.

3.8.6 Flight Information and SAR Alerting Service.

This Service is provided concurrently with services specified in 3.8.1 - 3.8.4. In area where control services are not provided, flight information and SAR alerting are provided by ATS Units.

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- 3.9 At some locations a number of services may operate under a common call sign and can be on a common or separate frequency:
- 3.9.1 **Tower** is used by Aerodrome control and Aerodrome and Approach control when combined.
- 3.9.2 **Approach** is used by Approach Control Service when established on a discrete frequency.
- 3.9.3 **Control** is used for Area Control Service.
- 3.9.4 **Clearance Delivery** is used by the Airways Clearance Delivery Service, when established on a discrete frequency.
- 3.9.5 **Ground** may be used by Ground Movement Control and also by Apron Control.

4. COORDINATION BETWEEN THE OPERATORS AND ATS

- 4.1 Coordination between the operator and air traffic services is effected in accordance with 2.15 of ICAO Annex 11 and 2.1.1.4 and 2.1.1.5 of Part VIII of the Procedures for Air Navigation Services - Rules of the Air and Air Traffic Services (Doc 4444, PANS-RAC).

5. MINIMUM FLIGHT ALTITUDE

- 5.1 Minimum safe altitudes for IFR flight operations are provided for all designated air routes. Minimum safe altitudes are based on an analysis of all obstacle within the lateral confines of the airway or on the radio navigation tolerances of the airway, whichever is the greater. 1000 feet clearance is provided, except over a mountainous terrain where 2000 feet is provided.
- 5.2 Minimum safe altitudes are provided for SIDs and STARs. These are based on terrain and also on the presence of designated airspace such as Danger Areas, VFR access routes etc. PANS/OPS vertical clearances are applied where applicable and 1000 feet elsewhere.
- 5.3 Minimum safe Altitudes for radar vectoring are provided on the Radar Vectoring Area Chart. These altitudes provide 1000 feet vertical clearance or 5 NM horizontal clearance from terrain and obstacles.

6. ATS UNITS ADDRESS LIST

Unit Name	Postal Address	Telephone NR	Telefax NR	Telex NR	AFS Address
1	2	3	4	5	6
Kuala Lumpur ACC	Air Traffic Control Centre Block B, ATCC Complex Sultan Abdul Aziz Shah Airport 47200 Subang Selangor Darul Ehsan.	03 - 78473573	03 - 78473572		WMFCZRZX
Alor Star ATS Unit	Department of Civil Aviation Sultan Abdul Halim Airport Kepala Batas 06200 Alor Star Kedah Darul Aman.	04 - 7145413 04 - 7145414	04 - 7143970		WMKAZTZX
Butterworth ATS Unit	Royal Malaysian Air Force Butterworth 12990 Butterworth Pulau Pinang.	04 - 3204333 04 - 3204355	04 - 3232122		WMKBYWYX
Kota Bharu ATS Unit	Department of Civil Aviation Sultan Ismail Petra Airport Pengkalan Chepa 16100 Kota Bharu Kelantan Darul Naim.	09 - 7734197 09 - 7739026	09 - 7730046		WMKCZTZX
Kuantan ATS Unit	Royal Malaysian Air Force Sultan Ahmad Shah Airport 25150 Kuantan, Pahang Darul Makmur.	09 - 5381298	09 - 5383472		WMKDYWYX
Kerteh ATS Unit	Department of Civil Aviation Kerteh Airport 24300 Kerteh Terengganu Darul Iman.	09 - 8261172	09 - 8261615 (Petronas) 09 - 8262501 (DCA)		WMKEZTZX
Ipoh ATS Unit	Department of Civil Aviation Sultan Azlan Shah Airport 31350 Ipoh, Perak Darul Ridzuan	05 - 3122526	05 - 3122529		WMKIZTZX
Johor Bahru ATS Unit	Department of Civil Aviation Sultan Ismail Airport 81250 Johor Bahru Johor Darul Takzim.	07 - 5994789	07 - 5994280		WMKJZTZX
KL International Airport ATS Unit	Air Traffic Control Tower Complex KL International Airport 64000 Sepang Selangor Darul Ehsan.	03 - 87874118	03 - 87874202		WMKKZTZX
Langkawi ATS Unit	Department of Civil Aviation Langkawi International Airport 07100 Padang Matsirat Langkawi Kedah Darul Aman.	04 - 9552191	04 - 9551955		WMKLZTZX
Malacca ATS Unit	Department of Civil Aviation Batu Berendam Airport 75350 Malacca.	06 - 3174759 06 - 3174895	06 - 3174484		WMKMZTZX

Kuala Terengganu ATS Unit	Department of Civil Aviation Sultan Mahmud Airport 21300 Kuala Terengganu Terengganu Darul Iman.	09 - 6664271	09 - 6661005		WMKNZTZX
Penang ATS Unit	Department of Civil Aviation Penang International Airport 11900 Bayan Lepas Penang.	04 - 6444911	04 - 6443285		WMKPZTZX
Subang Tower Unit	Air Traffic Control Centre Block B, ATCC Sultan Abdul Aziz Shah Airport 47200 Subang Selangor Darul Ehsan.	03 - 78465602	03 - 78469218		WMSAZTZX
Kota Kinabalu ATS Unit	Air Traffic Control Centre Bangunan ATCC 88618 Kota Kinabalu Sabah.	088 - 224911	088 - 219198		WBFCZQZX
Labuan ATS Unit	Royal Malaysian Air Force Labuan Airport 87007 Labuan Sabah	087 - 412459	087 - 416560		WBKLZTZX
Lahad Datu ATS Unit	Department of Civil Aviation Lahad Datu Airport P.O. Box 60213 91108 Lahad Datu Sabah.	089 - 882851	089 - 881511		WBKDZTZX
Sandakan ATS Unit	Department of Civil Aviation Sandakan Airport P.O.Box 1363 90715 Sandakan Sabah.	089 - 667766	089 - 666529		WBKSZTZX
Tawau ATS Unit	Department of Civil Aviation Tawau Airport P.O. Box 60379 91107 Tawau Sabah.	089 - 772765 089 - 772255	089 - 773994		WBKWZTZX
Kuching ATS Unit	Department of Civil Aviation Kuching International Airport P.O. Box 1359 93728 Kuching Sarawak.	082 - 455572 082 - 616532	082 - 453199		WBGGRZRX
Bintulu ATS Unit	Department of Civil Aviation Bintulu Airport 97000 Bintulu Sarawak.	086 - 332561 086 - 331331	086 - 330501		WBGBZTZX
Miri ATS Unit	Department of Civil Aviation Miri Airport 98000 Miri Sarawak.	085 - 614991 085 - 614992	085 - 613860		WBGRZTZX
Sibu ATS Unit	Department of Civil Aviation Sibu Airport Jalan Durin 96007 Sibu Sarawak.	084 - 307764	084 - 307708		WBGSTZTX